

	Field	Acres	Buffer	Net Ac.	Latitude	Long.	FSN#	Tract	Field	Tax ID #	RPC#
WW Nance	RO73-3A	30.6	12.5	18.1	37.222	-79.597	3940 & 4923	6634 & 7613	2 & 3, 6-7	197 A 5D	90505972
	RO24-3B	44.4	22.9	21.5	37.218	-79.598	3940 & 4923	6634 & 7613	2 & 1-2, 4-5	197 A 5D	90505972
	RO24-7	31.0	10.1	20.9	37.170	-79.596	2959	3841	9 & 12	223 A 5	22300400
	RO24-8	22.7	3.0	19.7	37.168	-79.594	2959	3841	10, 12-13	223 A 5	22300400
	RO24-9	18.6	3.4	15.2	37.168	-79.592	2959	3841	10	223 A 5	22300400
	RO24-18	18.8	6.1	12.7	37.237	-79.490	4507	5326	1-2	183 A 7B	18301100
	RO24-19	15.6	3.7	11.9	37.235	-79.489	4507	5326	1-2	183 A 7B	18301100
	RO24-20	21.7	6.1	15.6	37.242	-79.487	2034 & 4507	1468 & 3435	1, 3 & 4	183 A 7A 183 A 8	18301101 18301200
	RO24-21	6.8	2.6	4.2	37.241	-79.485	4507	3435	5	183 A 8	18301200
	RO24-22	19.9	3.5	16.4	37.240	-79.488	2034 & 4507	1468 & 3435	1, 3 & 12	183 A 7A 183 A 8	18301101 18301200
	RO24-23	13.8	3.0	10.8	37.239	-79.484	4507	3435	12	183 A 8	18301200
	RO24-24	5.2	2.1	3.1	37.236	-79.481	4507	3435	9	183 A 8	18301200
	RO24-25	26.3	2.4	23.9	37.237	-79.484	4507	3435	7 & 12	183 A 8	18301200
	RO24-26	13.0	3.4	9.6	37.236	-79.481	4507	3435	8-10	183 A 8	18301200
	RO24-27	10.0	2.2	7.8	37.235	-79.483	4507	3435	8	183 A 8	18301200
New Fields	RO24-28	38.3	10.9	27.4	37.244	-79.487	2034 & 5081	3345 & 7810	1-2 & 1-2	183 A 12 183 A 12A 183 A 14B	18301700 18301701 90510381
	RO24-29	72.6	30.5	42.1	37.246	-79.484	2034 & 5081	3345 & 7010	3 & 15	183 A 12 183 A 12A 183 A 14B	18301700 18301701 90510381
	TOTALS	409.3		280.9							

*Note: Bold field numbers denotes fields that newly cleared land have been added to previously permitted acreage.

17

213.5 OLD
145.8 NEW

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8/4/2015 between William & Shirley Nance referred to here as "Landowner", and Bio-Nomic Svc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Berkeley City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
197 A 5 D	90505972	183 A 8	18301200
223 A 5	22300400	183 A 12	18301700
183 A 7 B	18301100	183 A 12 A	18301701
183 A 7	18301000	183 A 14 B	90510381
183 A 7 A	18301101	197 A 5 B	89205114

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☐ Yes ☒ No ☐ Yes ☒ No ☐ Yes ☒ No

Shirley W. Nance Shirley W. Nance 2237 Round Rd Vicksburg
Landowner - Printed Name, Title Signature Mailing Address
William and Shirley Nance Living Trust 24179

Permittee:

Bio-Nomic Svc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Vaughn Buck Stevenson Vaughn Buck 516 Rowntree Rd.
Permittee - Authorized Representative Signature Mailing Address
Printed Name Charlotte, NC 28217

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomix Services County or City: Bedford County
Landowner: Shirley W. Nance, Trustee
William & Shirley Nance Living Trust

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

William & Shirley Nance Living Trust
Shirley W. Nance, Trustee
Landowner's Signature

8/4/15
Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services County or City: Bedford County
Landowner: W. W. Nance, Trustee
William & Shirley Nance Living Trust

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

William & Shirley Nance Living Trust
W. W. Nance, Trustee
Landowner's Signature

8/4/15
Date

Bedford County, Virginia

Tax Map #: 197 A 5B

Link: 197 A 5B

Parcel
Number(RP
C): 89205114

Address:

Parcel Information

Owner : NANCE WILLIAM & SHIRLEY
LIVING TRUST
Additional Owner: No Data
Owner Address: 2237 HARDY RD VINTON VA 24179

Legal Acreage: 14.1300
PCDesc: 2 Single Family Res(1-19.99ac)
Legal Description: TRACT 5A
Document Number: 090008238

Valuation Information

Map : 197 A 5B
Name: NANCE WILLIAM & SHIRLEY
LIVING TRUST
Acreage: 14.13

Deedbook: No Data
Deedpage: No Data

Year	Land Value	Improvement Value	Total Value
2016	\$100,700.00	\$0.00	\$100,700.00
2015	\$100,700.00	\$0.00	\$100,700.00
2014	\$100,700.00	\$0.00	\$100,700.00
2013	\$100,700.00	\$0.00	\$100,700.00
2012	\$100,700.00	\$0.00	\$100,700.00
2011	\$100,700.00	\$0.00	\$100,700.00
2010	\$100,700.00	\$0.00	\$100,700.00
2009	\$100,700.00	\$0.00	\$100,700.00
2008	\$100,700.00	\$0.00	\$100,700.00
2007	\$100,700.00	\$0.00	\$100,700.00
2006	\$47,800.00	\$0.00	\$47,800.00
2005	\$47,800.00	\$0.00	\$47,800.00
2004	\$47,800.00	\$0.00	\$47,800.00
2003	\$47,800.00	\$0.00	\$47,800.00
2002	\$40,800.00	\$0.00	\$40,800.00
2001	\$40,800.00	\$0.00	\$40,800.00

Improvement

This Parcel has no Improvements

PART R024- 3A
PART R024- 3B

Current Owner

Current Owner:	NANCE WILLIAM & SHIRLEY LIVING TRUST
Purchase Date:	07/07/2009
Purchase Price:	\$.00
Land Description:	9 Homesite

Past Owner

Name:	NANCE WILLIAM W & SHIRLEY W	Name:	No Data
Purchase Date:	02/10/2000	Purchase Date:	No Data
Purchase Price:	\$47,338.00	Purchase Price:	No Data

The County of Bedford, VA

Legend

E911 Address

Highway

Blue Ridge Parkway

US Primary

Virginia Primary

Roads

Driveway

Parcels - County

Parcels - Town

Public School Boundary

PART ROZU-3A
PART ROZU-3B



Feet
0 100 200 300 400
1:4,514 / 1"=376 Feet

Title: Parcels - County 197-A-SB WILLIAM & SHIRLEY NANCE Date: 7/19/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

LIVING TRUST

[Search](#)[Results](#)[Details](#)[Map](#)[Contact](#) | [GIS Page](#) | [Log On](#)[Printer-Friendly](#)[View In Map](#)

Tax Map #

Link

Parcel Number(RPC).

Address

197 A 5D

197 A 5D

90505972

STONY FORK ROAD

[Link to Real Estate Lookup/Sketch](#)[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:

NANCE WILLIAM WATSON & SHIRLEY
TR

Legal Acreage:

60.5800

Additional Owner:

PCDesc:

5 Agricultural/Undevl(20-99ac)

Owner Address:

2237 HARDY RD
VINTON, VA 24179

Legal Description:

SOUTHSIDE RT 801

Document Number:

110001685

Land Use

Tax Year: 2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

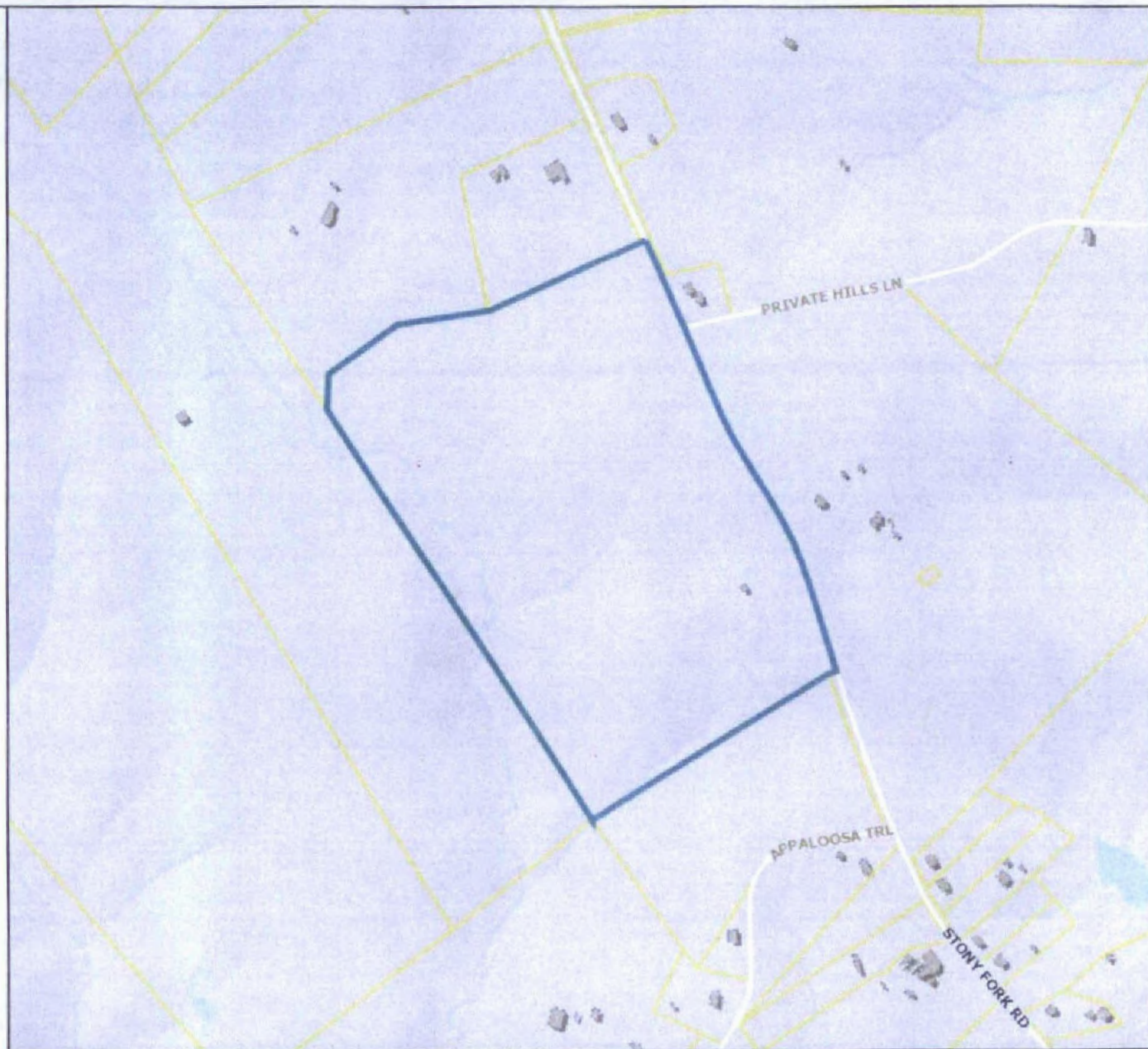
part R024-3A
part R024-3B

Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town
- Public School Boundary

part R024-3A
part R024-3B



Title: Nance WW & Shirley TR 197 A 5D 90505972

Date: 3/17/2016

Feet
0 200 400 600 800
1:9,028 / 1"=752 Feet

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Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town
- Public School Boundary

P024-7

P024-8

P024-9



Title: Nance WW & Shirley Living Trust 223 A 5


Date: 3/17/2016

22300400

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Feet

0 200 400 600 800
1:9,028 / 1"=752 Feet

[Search](#)[Results](#)[Details](#)[Map](#)[Contact](#) | [GIS Page](#) | [Log On](#) [Printer-Friendly](#)[View in Map](#) 

Tax Map #	Link	Parcel Number(RPC)	Address
223 A.5	223 A.5	22300400	

[Link to Real Estate Lookup/Sketch](#)

[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:	NANCE WILLIAM & SHIRLEY LIVING TRUST	Legal Acreage:	97.3800
Additional Owner:		PCDesc:	5 Agricultural/Undevl(20-99ac)
Owner Address:	2237 HARDY RD VINTON, VA 24179	Legal Description:	HUNTING CR
		Document Number:	090008239

Land Use

Tax Year: 1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014


2015

2016

R024-7

R024-8

R024-9

[Search](#)[Results](#)[Details](#)[Map](#)[Contact](#) | [GIS Page](#) | [Log On](#) [Printer-Friendly](#)[View In Map](#) 

Tax Map #

183 A 7B

Link

183 A 7B

Parcel Number(RPC)

18301100

Address

[Link to Real Estate Lookup/Sketch](#)[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:

NANCE WILLIAM & SHIRLEY LIVING
TRUST

Legal Acreage:

30.0000

Additional Owner:

PCDesc:

5 Agricultural/Undeveloped(20-99ac)

Owner Address:

2237 HARDY RD
VINTON, VA 24179

Legal Description:

MEADOW CR

Document Number:

090008243

Land Use

Tax Year: 2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

R024-18

PART R024-19

Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town
- Public School Boundary

R024-18
PART R024-19



Title: Nance WW & Shirley Living Trust 183 A 7B

Date: 3/17/2016

18301100

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Feet

0 200 400 600 800
1:9,028 / 1"=752 Feet


Search

Results

Details

Map

[Contact](#) | [GIS Page](#) | [Log On](#)

 [Printer-Friendly](#)

[View In Map](#) 

Tax Map #	Link	Parcel Number(RPC).	Address
183 A 7	183 A 7	18301000	
Link to Real Estate Lookup/Sketch			

Parcel Information

Valuation

Improvements

Ownership History

General Information

Owner:	NANCE WILLIAM & SHIRLEY LIVING TRUST	Legal Acreage:	13.5800
Additional Owner:		PCDesc:	2 Single Family Res(1-19.99ac)
Owner Address:	2237 HARDY RD VINTON , VA 24179	Legal Description:	MEADOW CR
		Document Number:	30007603

Land Use

Tax Year: 2014
2015
2016

PART RO24-20
PART RO24-22

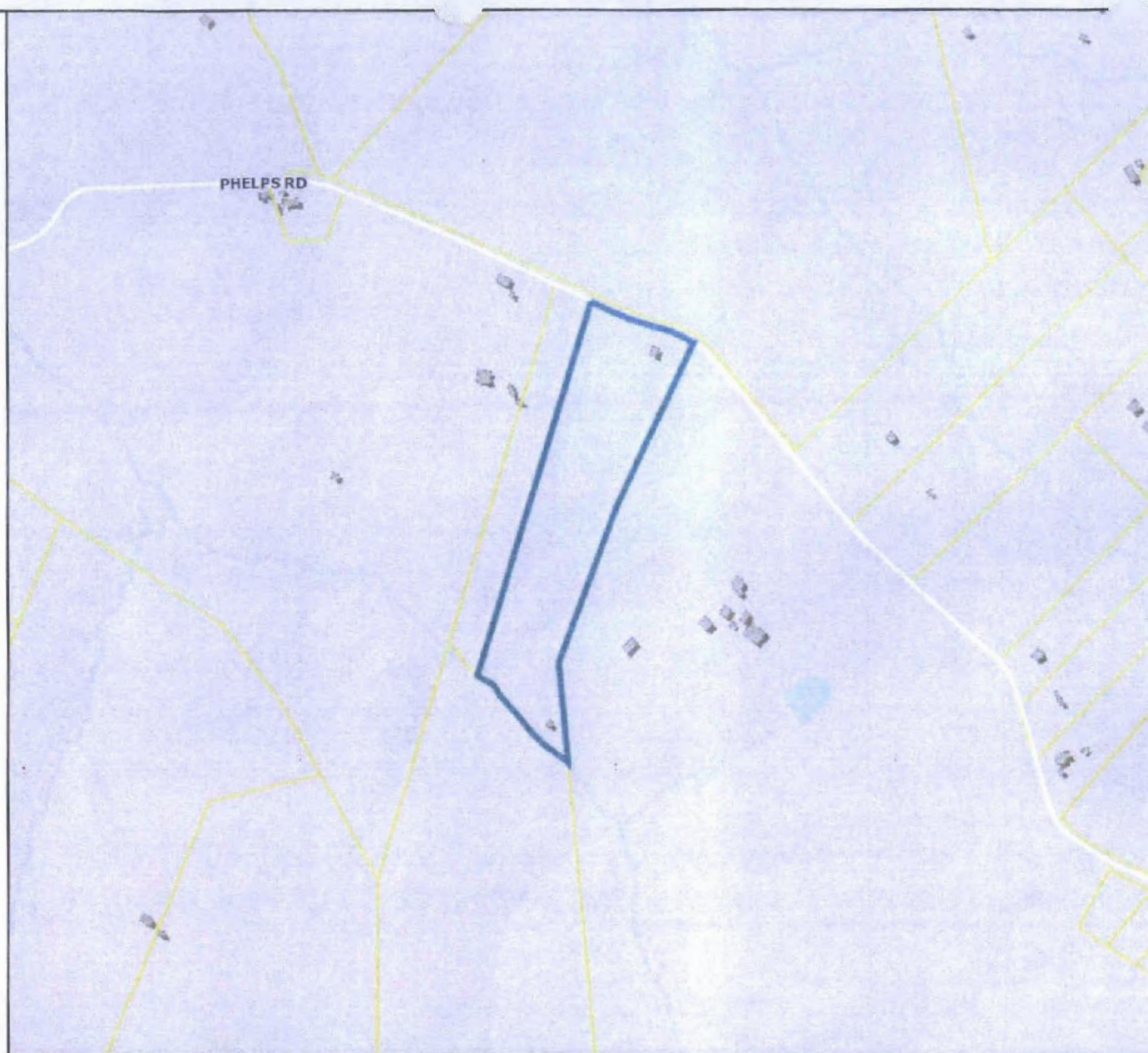
Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary Roads
- Parcels - County
- Parcels - Town
- Public School Boundary

PART R024-20

PART R024-22



Feet

0 200 400 600 800
1:9,028 / 1"=752 Feet

Title: Nance WW & Shirley Living Trust 183 A 7

Date: 3/17/2016

18301000

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

[Search](#)[Map](#)[Contact](#) | [GIS Page](#) [Log On](#)[Printer-Friendly](#)[View in Map](#) 

Tax Map #	Link	Parcel Number(RPC).	Address
183 A 7A	183 A 7A	18301101	

[Link to Real Estate Lookup/Sketch](#)

[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:	NANCE WILLIAM & SHIRLEY LIVING TRUST	Legal Acreage:	5.0000
Additional Owner:		PCDesc:	2 Single Family Res(1-19.99ac)
Owner Address:	2237 HARDY RD VINTON, VA 24179	Legal Description:	CALEB HURTTR 4
		Document Number:	130007905

Land Use

Tax Year: 2014
2015
2016

PART ROZU-20
PART ROZU-22

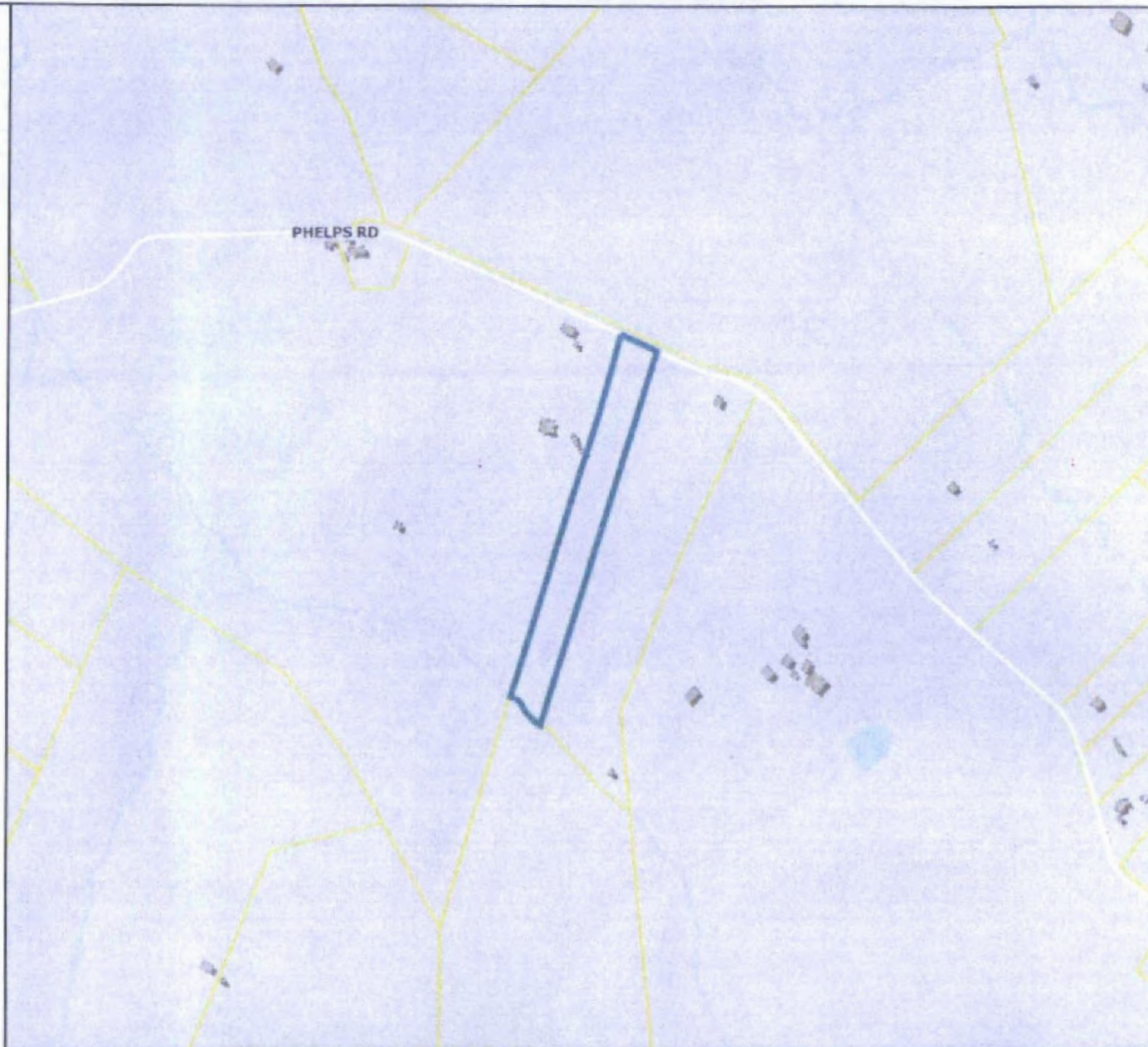
Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town
- Public School Boundary

PART R024-20

PART R024-22



Title: Nance WW & Shirley Living Trust 183 A 7A


Date: 3/17/2016

18301101

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Feet

0 200 400 600 800
1:9,028 / 1"=752 Feet

 [Printer-Friendly](#)[View In Map](#) 

Tax Map #

183 A 8

Link

183 A 8

Parcel Number(RPC).

18301200

Address

2939 PHELPS ROAD

[Link to Real Estate Lookup/Sketch](#)[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:

NANCE WILLIAM & SHIRLEY LIVING
TRUST

Legal Acreage:

128.8500

Additional Owner:

PCDesc:

6 Agricultural/Undeveloped(100+ac)

Owner Address:

2237 HARDY RD
VINTON, VA 24179

Legal Description:

TURNER CR

Document Number:

090008243

Land Use

Tax Year: 1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

PART R024-19

PART R024-20

R024-21

PART R024-22

R024-23

R024-24

R024-25

R024-26

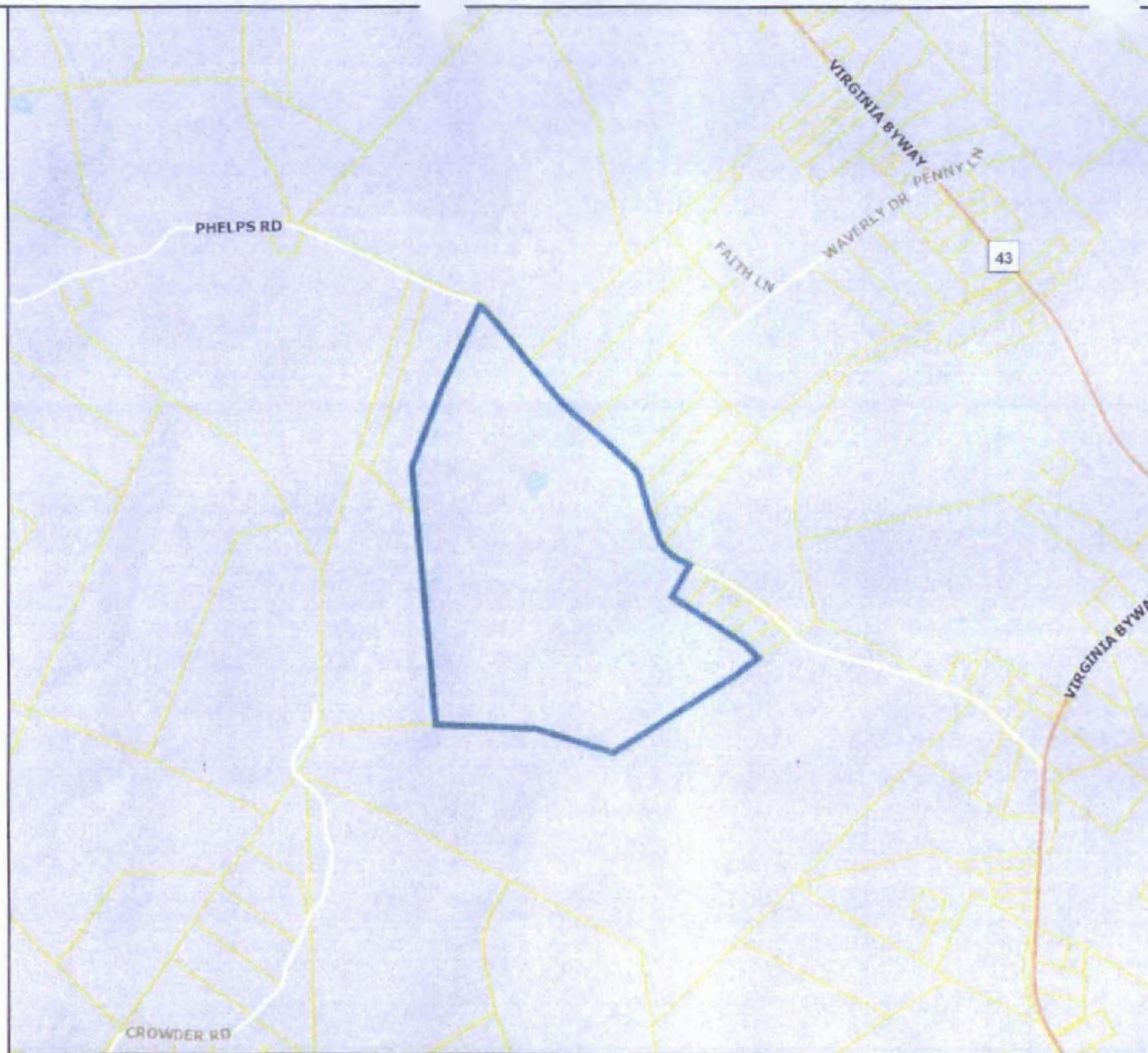
R024-27

Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town

PART R024-19
PART R024-20
R024-21
PART R024-22
R024-23
R024-24
R024-25
R024-26
R024-27



Feet
0 500 1000 1500 2000
1:18,056 / 1"=1,505 Feet

Title: Nance WW & Shirley Living Trust 183 A 8

Date: 3/17/2016

18301200

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

[Search](#)[Results](#)[Group](#)[Map](#)[Contact](#) | [GIS Page](#) | [Log On](#)[Printer-Friendly](#)[View In Map](#) 

Tax Map #

Link

Parcel Number(RPC).

Address

183 A 12

183 A 12

18301700

[Link to Real Estate Lookup/Sketch](#)[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:

NANCE WILLIAM & SHIRLEY LIVING
TRUST

Legal Acreage:

12.7900

Additional Owner:

PCDesc:

2 Single Family Res(1-19.99ac)

Owner Address:

2237 HARDY RD
VINTON, VA 24179

Legal Description:

BELLS BR

Document Number:

140006867

Land Use

Tax Year: 2015

2016

PART R024 - 28
PART R024 - 29

Bedford, VA

Legend

- E911 Address
- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Driveway
- Parcels - County
- Parcels - Town
- Public School Boundary

PART R024-28
PART R024-29



Title: Nance William & Shirley Living Trust 183 A 12



Date: 3/18/2016

18301700

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Feet

0 100 200 300 400
1:4,514 / 1"=376 Feet

[Search](#)[Results](#)[183 A 12A](#)[Map](#)[Contact](#) | [GIS Page](#) | [Log On](#) [Printer-Friendly](#)[View in Map](#) 

Tax Map #

183 A 12A

Link

183 A 12A

Parcel Number(RPC).

18301701

Address

[Link to Real Estate Lookup/Sketch](#)[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:

NANCE WILLIAM & SHIRLEY LIVING
TRUST

Legal Acreage:

12.7900

Additional Owner:

PCDesc:

2 Single Family Res(1-19.99ac)

Owner Address:

2237 HARDY RD
VINTON, VA 24179

Legal Description:

CALEB HURTTR 1

Document Number:

140000221

Land Use

Tax Year: 2014

2015

2016

PART 2024-28.
PART 2024-29

Bedford, VA

Legend

- E911 Address
- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Driveway
- Parcels - County
- Parcels - Town
- Public School Boundary

PART R024-28
PART R024-29



Feet

0 100 200 300 400
1:4,514 / 1"=376 Feet

Title: Nance William & Shirley Living Trust 183 A 12A

Date: 3/18/2016

18301701

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

[Search](#)[Results](#)[Details](#)[Map](#)[Contact](#) | [GIS Page](#) | [Log On](#) [Printer-Friendly](#)[View in Map](#) 

Tax Map #

183 A 14B

Link

183 A 14B

Parcel Number(RPC).

90510381

Address

[Link to Real Estate Lookup/Sketch](#)[Parcel Information](#)[Valuation](#)[Improvements](#)[Ownership History](#)**General Information**

Owner:

NANCE WILLIAM & SHIRLEY LIVING
TRUST

Legal Acreage:

96.6800

Additional Owner:

PCDesc:

5 Agricultural/Undeveloped(20-99ac)

Owner Address:

2237 HARDY RD
VINTON, VA 24179

Legal Description:

TRACT 2 PB 51/158

Document Number:

120003285

Land Use

Tax Year: 2010

2011

2012

2013

2014

2015

2016

PART R024-28

PART R024-29

Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town

PART 2024-28

PART 2024-29



Feet

0 500 1000 1500 2000

1:18,056 / 1"=1,505 Feet

Title: Nance William & Shirley Living Trust 183 A 14B

Date: 3/18/2016

90510381

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

(

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A *Land Application Agreement - Biosolids and Industrial Residuals* form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Bio-Nomic Services, Inc

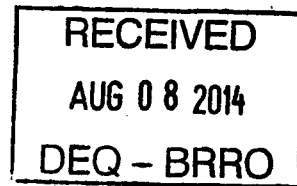
County or City: Bedford County

Please Print

(Signatures not required on this page)

[illegible]

Terrence LOTA
w/ Synagro - Bedford



S. Bowman - DEQ

Aug 7, 2014

Please be advised that I
have chosen Bio Nomics to be
the sole provider of Bio Solids
to my Farms in Bedford County.

W.W. Vance

Added to
VPA 03013 + 03016
8/11/14 SB

W. W. Nance Farms

Bio-Nomic Services, Inc. is filing this application to apply approved (VA0025020) Class B biosolids to this designated farm land in Bedford County, Virginia.

Two of the farms are located in the Moneta community. One is located on the west side of Feldspar Road (previously permitted by Bio-Nomic Services, Inc.) and one is located on the west side of Stony Fork Road. The farm on Stony Fork Road was also previously permitted as RO 73-3, however Mr. Nance cleared additional acreage adjacent to the previously permitted field and changed the fence line configuration on the entire farm (proposed as fields RO 73-3A and 73-3B. The other farm is located in the Otter Hill community on the north and south sides of Phelps Road. The majority of the land on the south side of Phelps Road was previously permitted by Bio-Nomic Services, Inc. Some adjacent land to the previously permitted sites has been cleared and established into pastures. All fields are located in a predominately agricultural areas. All streams, drainage features, rock outcrops, structures, dwellings, property lines, roadways and wells are designated and buffered as required. There are two public contact sites in the vicinity of the farm located on Stony Fork Road. See the attached buffer maps for more details. Biosolids are currently being used as crop nutrients on close by farms.

Mr. Nance operates his acreage as either hay production/pasture. The grass cover in the hayfields/ pastures is predominately fescue.

The current fescue hay fields are: RO 24-3A, 24-9, 24-28.

The current fescue pastures are: RO 24-3B, 24-7, 24-8, 24-18, 24-19, 24-20, 24-21, 24-22, 24-23, 24-24, 24-25, 24-26, 24-27 & 24-29.

Nutrient Management Plans will be written by a certified plan writer to address the application of biosolids to the designated fields that will address the most recent planned use of the fields should any changes occur in agricultural practices.



- A** Brownlee Ave SE, Roanoke, VA 24014
B 2858 Stony Fork Rd, Moneta, VA 24121

38 min, 20.8 mi

Light traffic (34 min without traffic)

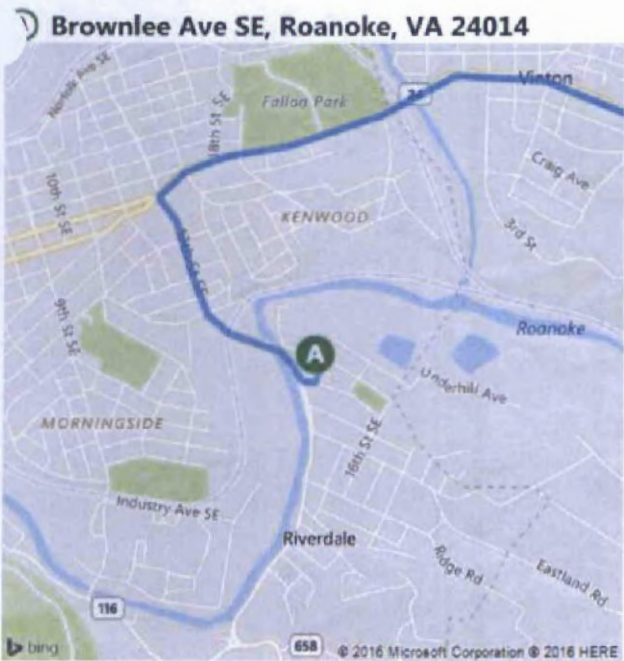
Via VA-24, VA-24 E

W. W. Nance
RO 24 3A, 3B
Stony Fork Rd.

- A** Brownlee Ave SE, Roanoke, VA 24014

↑	1. Depart Brownlee Ave SE toward Kindred St SE	161 ft
↘	2. Turn right onto Kindred St SE	479 ft
↘	3. Turn right onto Carlisle Ave SE , and then immediately turn right onto Bennington St SE	0.8 mi
↘	4. Turn right onto VA-24 Pass Hess in 1.0 mi	2.2 mi
↑	5. Keep left to stay on VA-24 E / Bypass Rd	0.4 mi
↘	6. Turn right to stay on VA-24 E Pass Exxon in 4.4 mi	15.4 mi, 21 min
↗	7. Bear right onto Stony Fork Rd	1.8 mi
	8. Arrive at Stony Fork Rd If you reach Private Hills Ln, you've gone too far	

- B** 2858 Stony Fork Rd, Moneta, VA 24121



These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2016 HERE™.



- (A) Brownlee Ave SE, Roanoke, VA 24014
 (B) 2480 Feldspar Rd, Bedford, VA 24523

55 min, 32.4 mi

Light traffic (51 min without traffic)
Via VA-24, VA-24 E

W.W. Nance
RO 24-7,8,9
Feldspar Rd.

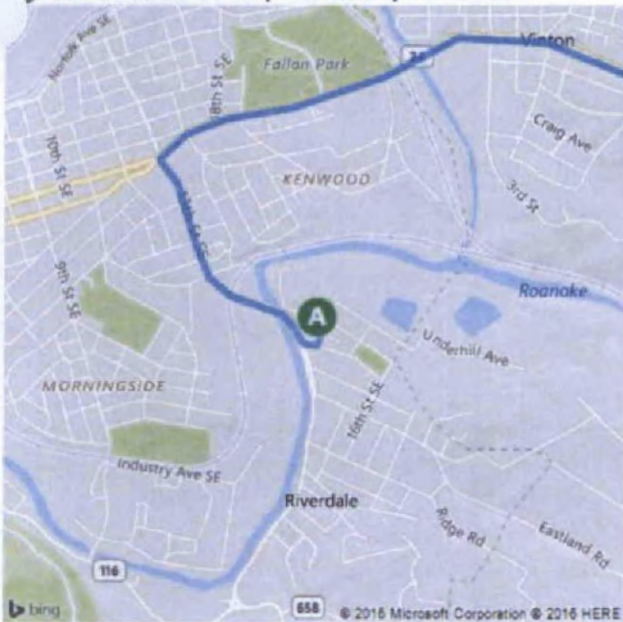
- (A) Brownlee Ave SE, Roanoke, VA 24014

↑	1. Depart Brownlee Ave SE toward Kindred St SE	161 ft
↗	2. Turn right onto Kindred St SE	479 ft
↗	3. Turn right onto Carlisle Ave SE , and then immediately turn right onto Bennington St SE	0.8 mi
↗	4. Turn right onto VA-24 Pass Hess in 1.0 mi	2.2 mi
↑	5. Keep left to stay on VA-24 E / Bypass Rd	0.4 mi
↘	6. Turn right to stay on VA-24 E Pass Exxon in 4.4 mi	19.1 mi, 26 min
↗	7. Turn right onto VA-122 / Moneta Rd Pass Marathon in 2.7 mi	4.9 mi
↙	8. Turn left onto White House Rd	3.1 mi
↙	9. Turn left onto Feldspar Rd	1.7 mi
	10. Arrive at Feldspar Rd If you reach Morgans Church Rd, you've gone too far	

- (B) 2480 Feldspar Rd, Bedford, VA 24523



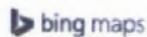
A Brownlee Ave SE, Roanoke, VA 24014



B 2480 Feldspar Rd, Bedford, VA 24523



These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2016 HERE™.



A Brownlee Ave SE, Roanoke, VA 24014

B 3027 Phelps Rd, Bedford, VA 24523

51 min, 29.7 mi

Light traffic (46 min without traffic)

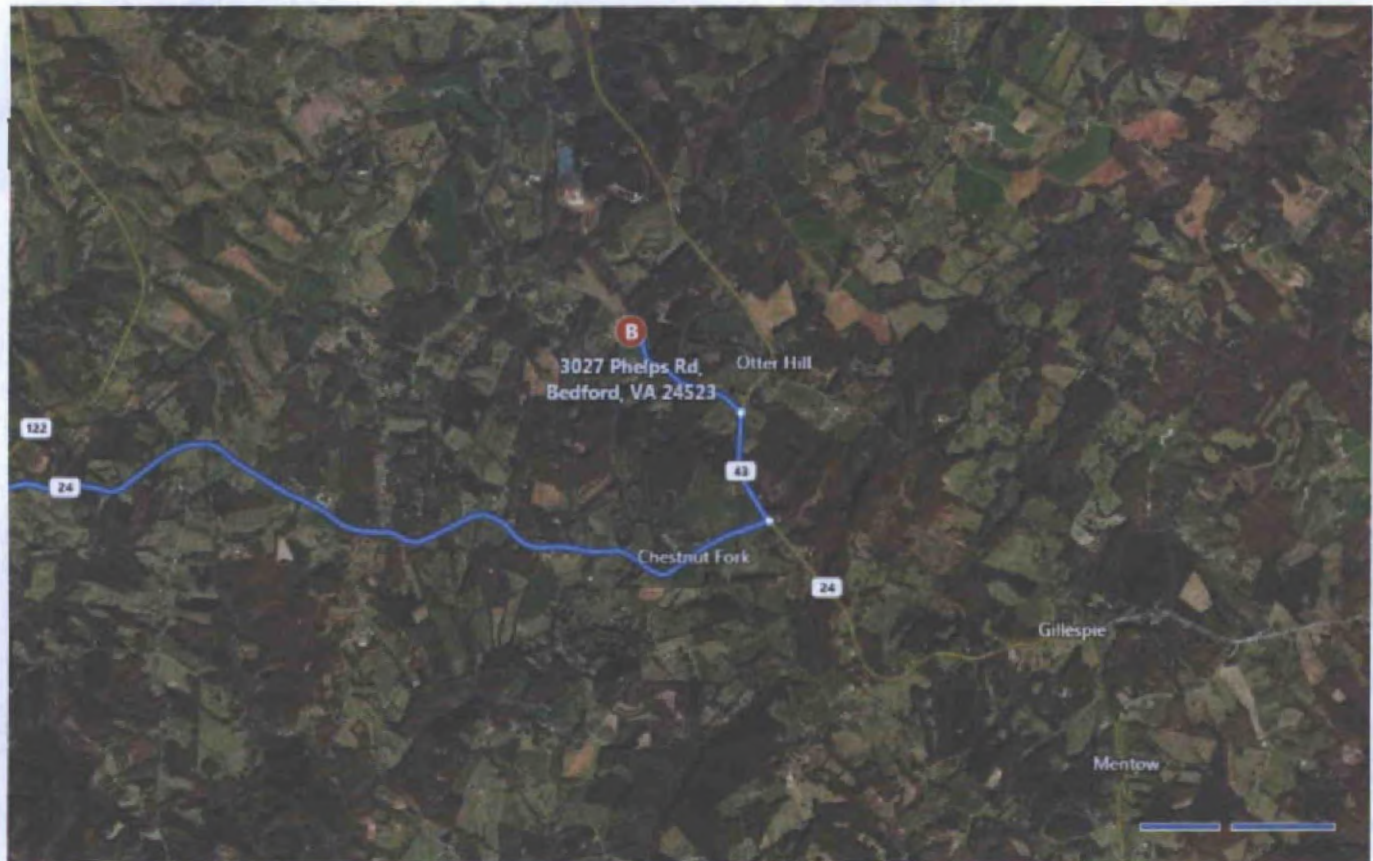
Via VA-24, VA-24 E

W.W. Nance
Phelps Road
RO 24-18,19,20,21,22,23,24,25,26,27,28,29

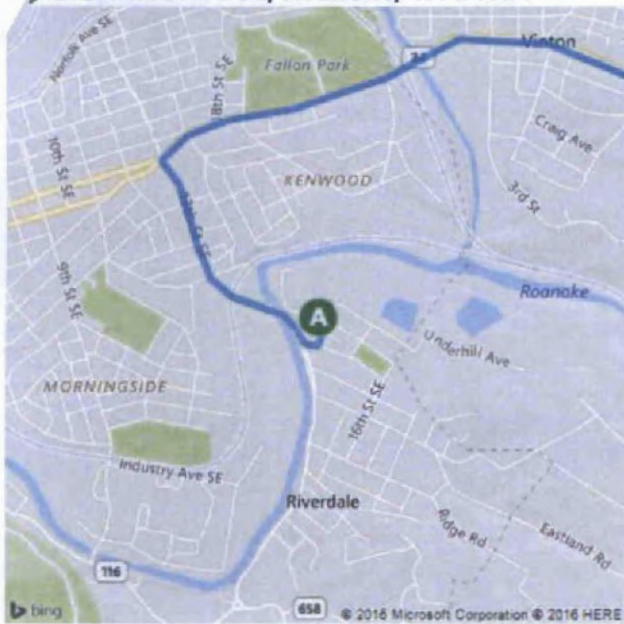
A Brownlee Ave SE, Roanoke, VA 24014

↑	1. Depart Brownlee Ave SE toward Kindred St SE	161 ft
↘	2. Turn right onto Kindred St SE	479 ft
↘	3. Turn right onto Carlisle Ave SE , and then immediately turn right onto Bennington St SE	0.8 mi
↘	4. Turn right onto VA-24 Pass Hess in 1.0 mi	2.2 mi
↑	5. Keep left to stay on VA-24 E / Bypass Rd	0.4 mi
↘	6. Turn right to stay on VA-24 E Pass Exxon in 4.4 mi	24.6 mi, 33 min
↙	7. Turn left onto VA-43 / Virginia Byway	0.7 mi
↙	8. Turn left onto Phelps Rd • <i>Unpaved Road</i>	0.9 mi
	9. Arrive at Phelps Rd on the left The last intersection is VA-43 / Virginia Byway If you reach Wilson Church Rd, you've gone too far	

B 3027 Phelps Rd, Bedford, VA 24523



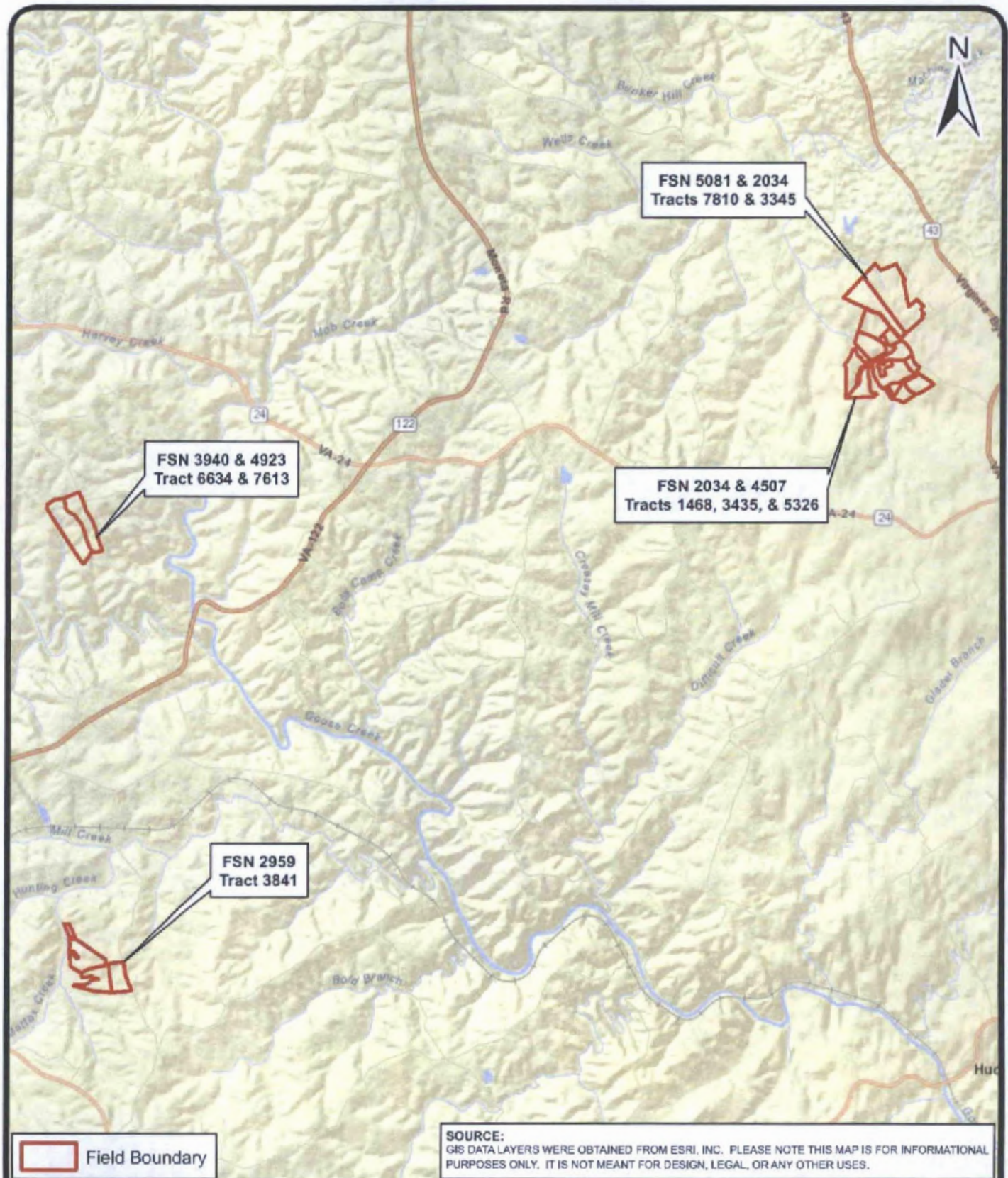
Brownlee Ave SE, Roanoke, VA 24014




3027 Phelps Rd, Bedford, VA 24523



These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2016 HERE™.



 Field Boundary

SOURCE:
GIS DATA LAYERS WERE OBTAINED FROM ESRI, INC. PLEASE NOTE THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES.

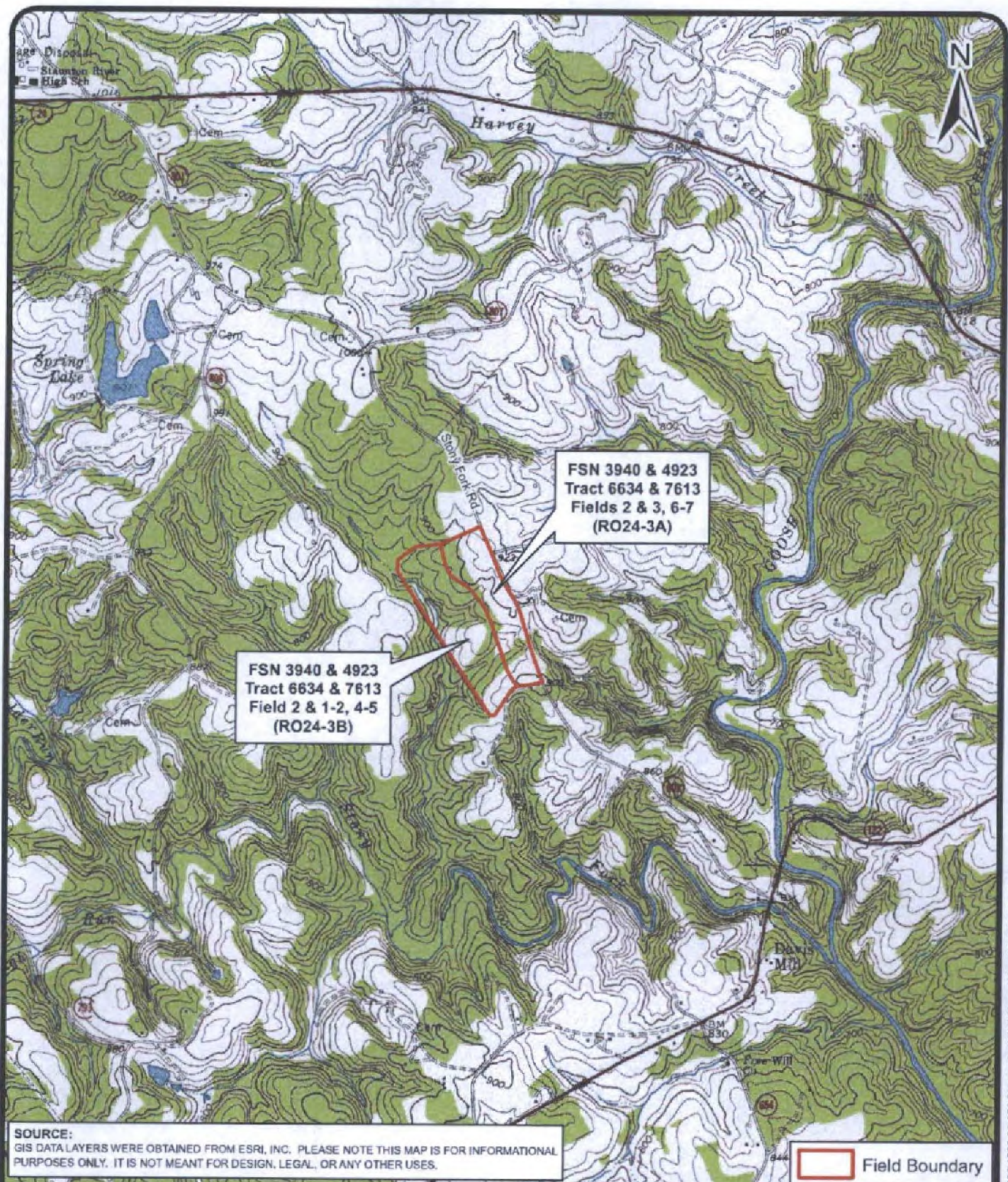
SCALE: 1" = 1 miles
DATE: 09-23-15
DRAWN BY: MEM
PROJECT NO: 15-18 Ph: 01



**BIO-NOMIC
SERVICES,
INC.**

**VICINITY MAP
WW NANCE**
CITY OF ROANOKE
LAND APPLICATION PROGRAM
BEDFORD COUNTY, VIRGINIA

FIGURE NO.
1



SCALE: 1" = 2,000'

DATE: 09-18-15

DRAWN BY: MEM

PROJECT NO: 15-18 Ph: 01

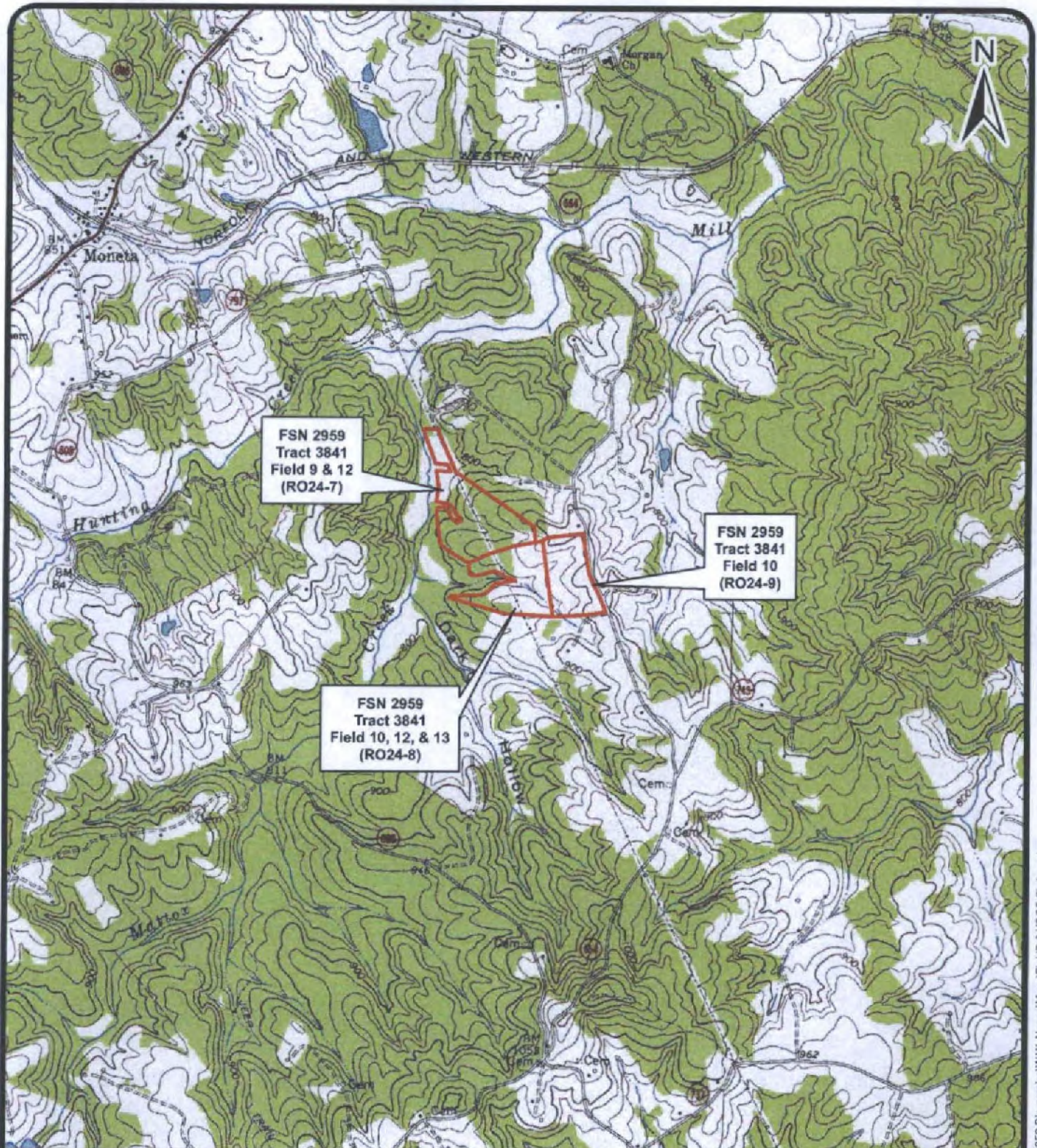


**BIO-NOMIC
SERVICES,
INC.**


**USGS TOPOGRAPHY MAP
WW NANCE
FSN 3940 & 4923 TRACTS 6634 & 7613
CITY OF ROANOKE
LAND APPLICATION PROGRAM
BEDFORD COUNTY, VIRGINIA**

FIGURE NO.

2



SOURCE:
GIS DATA LAYERS WERE OBTAINED FROM ESRI, INC. PLEASE NOTE THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES.

 Field Boundary

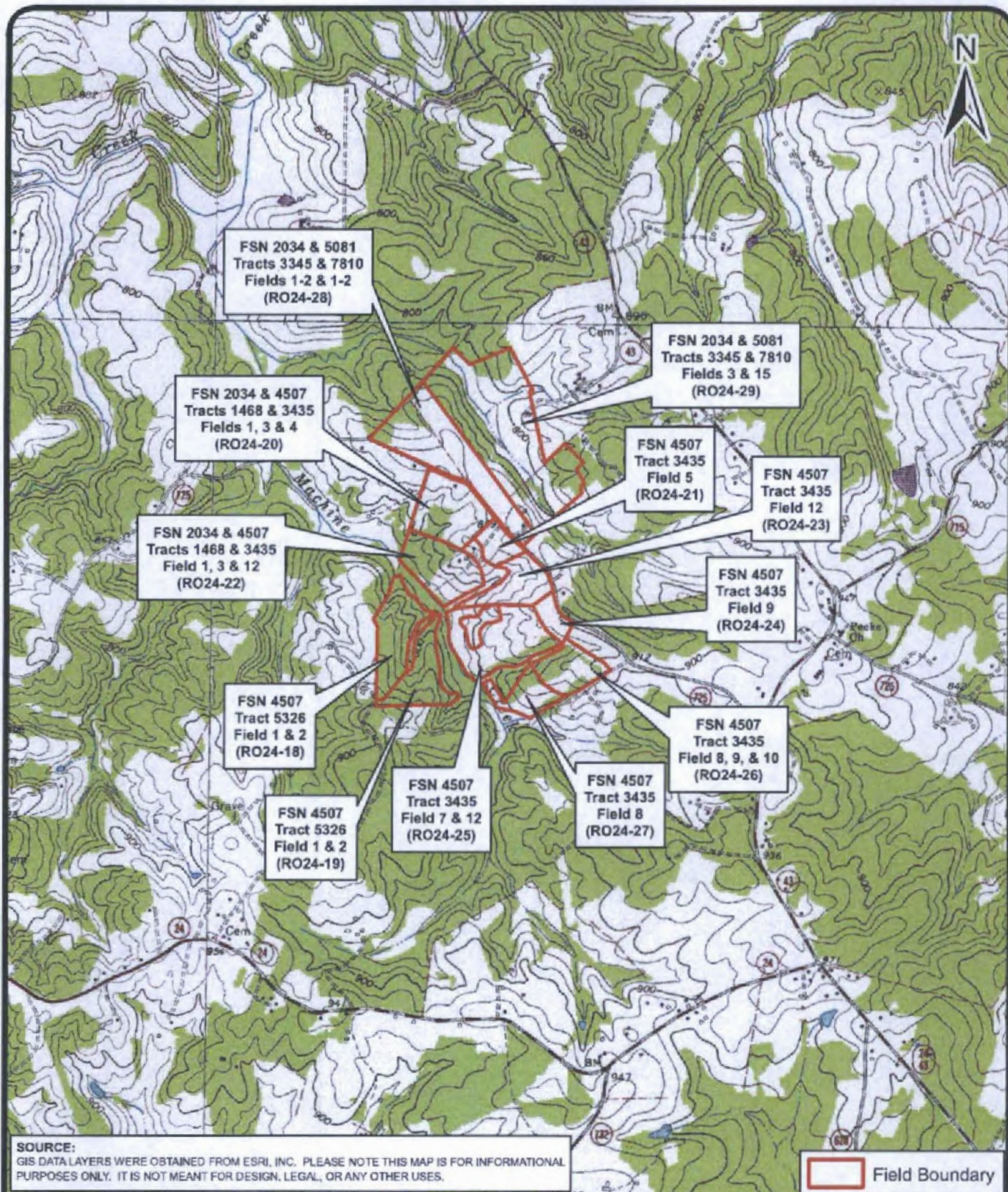
SCALE: 1" = 2,000'
DATE: 09-23-15
DRAWN BY: MEM
PROJECT NO: 15-18 Ph: 01



**BIO-NOMIC
SERVICES,
INC.**

**USGS TOPOGRAPHY MAP
WW NANCE
FSN 2959 TRACT 3841
CITY OF ROANOKE
LAND APPLICATION PROGRAM
BEDFORD COUNTY, VIRGINIA**

FIGURE NO.
3



SCALE: 1" = 2,000'

DATE: 09-23-15

DRAWN BY: MEM

PROJECT NO: 15-18 Ph: 01



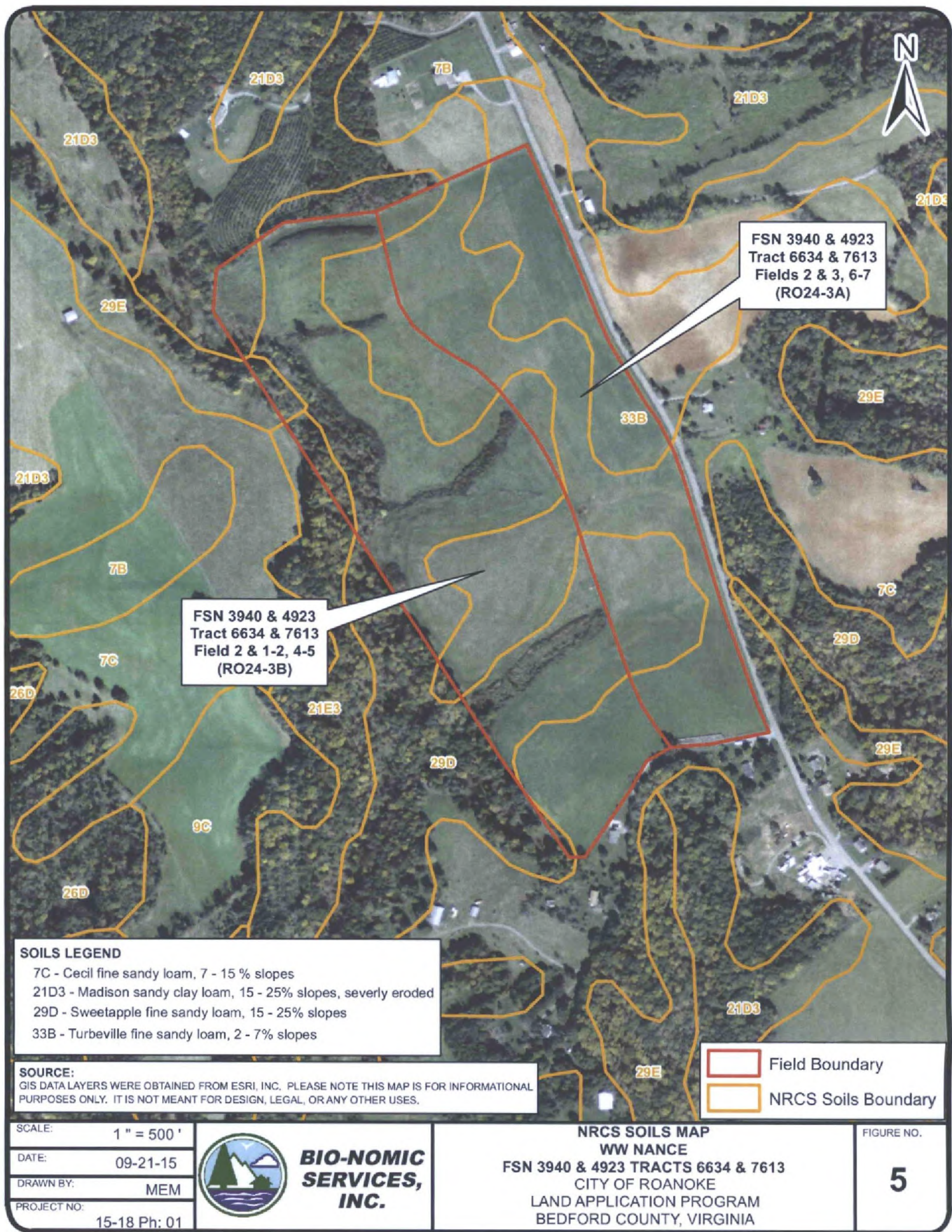
**BIO-NOMIC
SERVICES,
INC.**

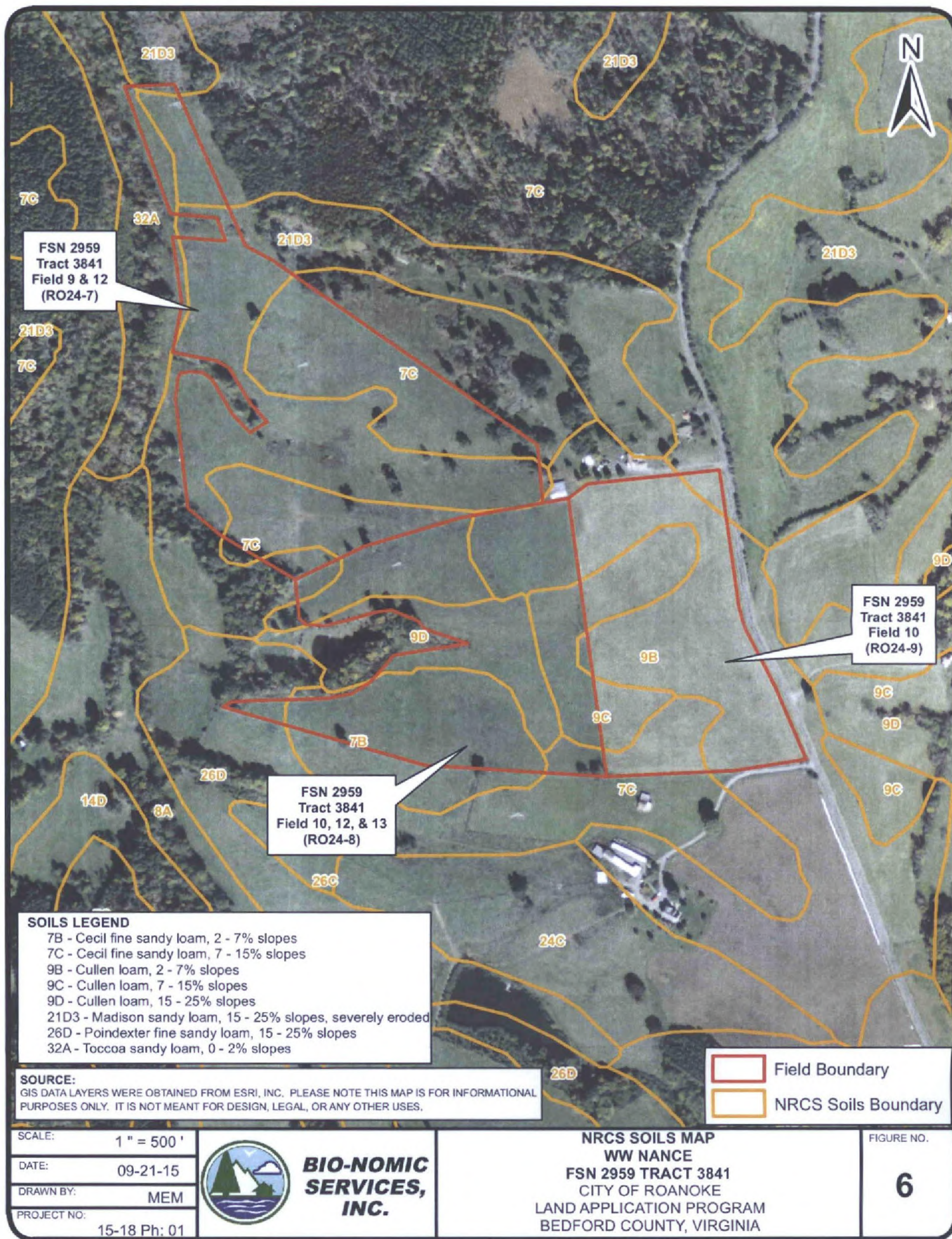
**USGS TOPOGRAPHY MAP
WW NANCE**

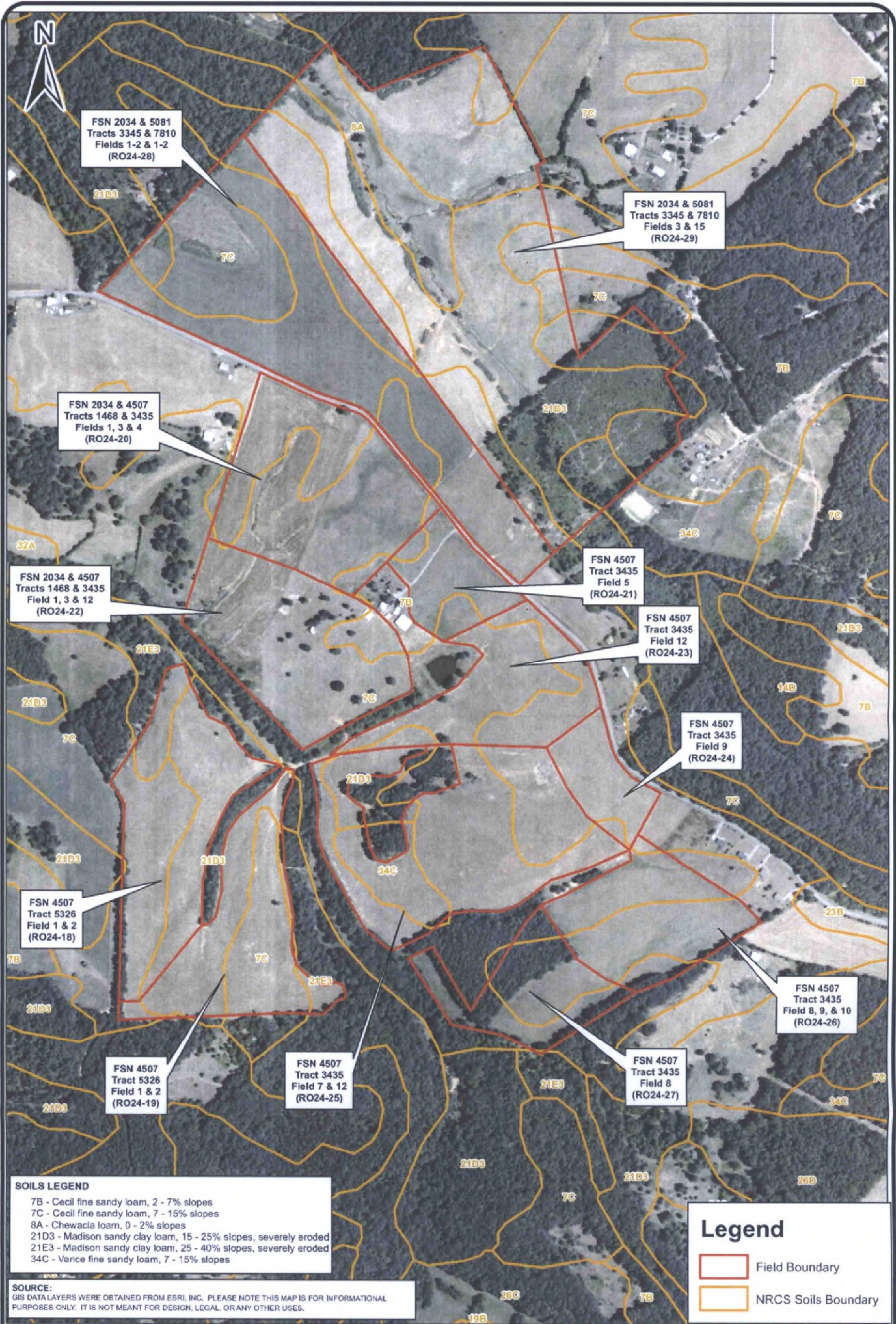
FSN 2034, 4507, 5081 TRACTS 1468, 3345, 3435, 5326, 7810
CITY OF ROANOKE
LAND APPLICATION PROGRAM
BEDFORD COUNTY, VIRGINIA

FIGURE NO.

4







SCALE: 1" = 500'

DATE: 09-21-15

DRAWN BY: MEM

PROJECT NO: 15-18 Ph: 01



**BIO-NOMIC
SERVICES,
INC.**

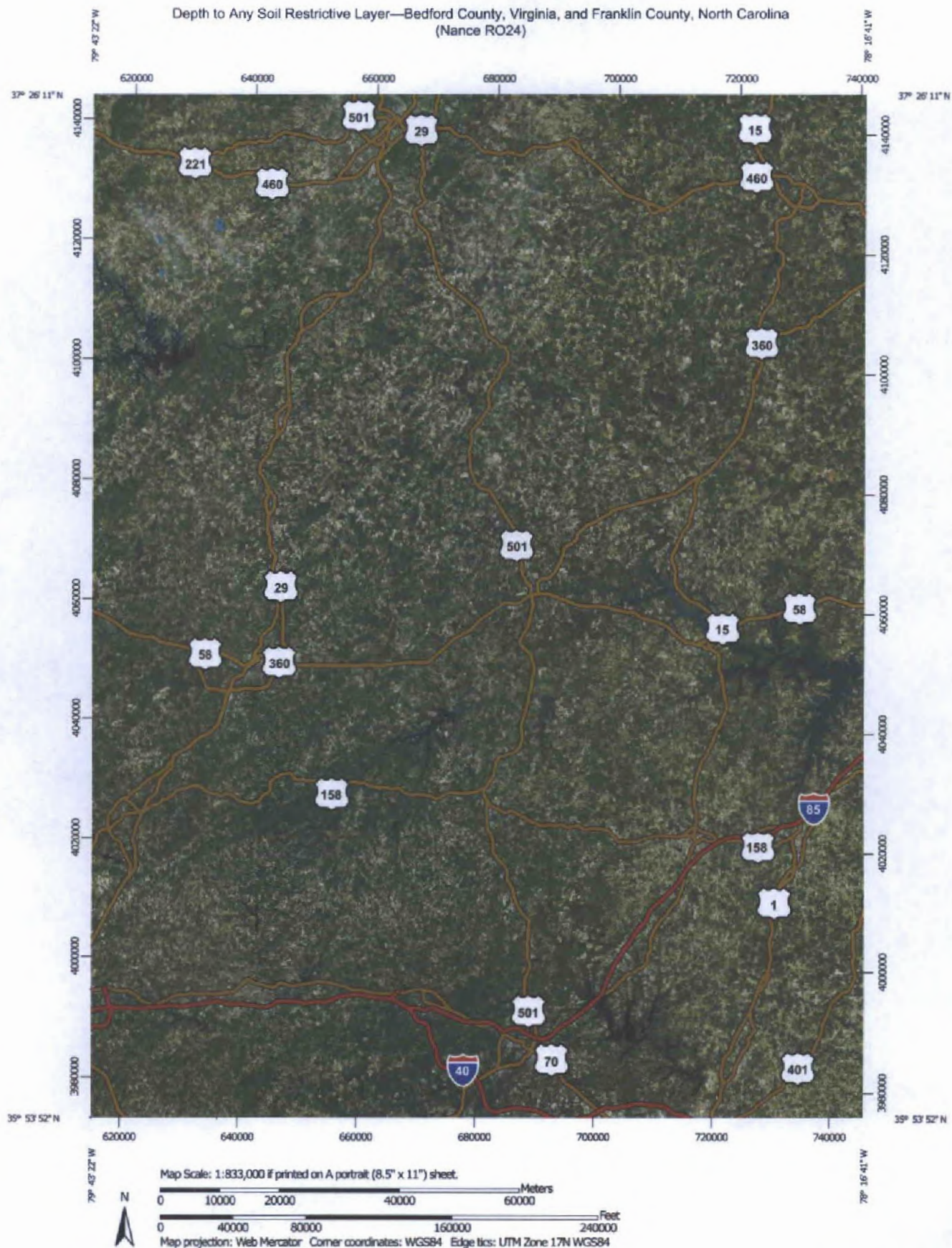
NRCS SOILS MAP - WW NANCE
FSN 2034, 4507, 5081
TRACTS 1468, 3345, 3435, 5326, 7810
CITY OF ROANOKE
LAND APPLICATION PROGRAM
BEDFORD COUNTY, VIRGINIA

FIGURE NO.

7

C:\aragis\2009\1588-09-059 Bio-nomics\WW Nance\Maps\Fig18-29 NRCS Fig7.mxd

Depth to Any Soil Restrictive Layer—Bedford County, Virginia, and Franklin County, North Carolina
(Nance RO24)



Depth to Any Soil Restrictive Layer—Bedford County, Virginia, and Franklin County, North Carolina
(Nance RO24)

MAP LEGEND

Area of Interest (AOI)	Area of Interest (AOI)	Not rated or not available
Soils		Water Features
Soil Rating Polygons		Streams and Canals
0 - 25		Transportation
25 - 50		Rails
50 - 100		Interstate Highways
100 - 150		US Routes
150 - 200		Major Roads
> 200		Local Roads
Not rated or not available		Background
Soil Rating Lines		Aerial Photography
0 - 25		
25 - 50		
50 - 100		
100 - 150		
150 - 200		
> 200		
Not rated or not available		
Soil Rating Points		
0 - 25		
25 - 50		
50 - 100		
100 - 150		
150 - 200		
> 200		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia
Survey Area Data: Version 11, Dec 11, 2013

Soil Survey Area: Franklin County, North Carolina
Survey Area Data: Version 16, Sep 14, 2015

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Bedford County, Virginia (VA019)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
7B	Cecil fine sandy loam, 2 to 7 percent slopes	>200	85.7	20.9%
7C	Cecil fine sandy loam, 7 to 15 percent slopes	>200	173.1	42.3%
8A	Chewacla loam, 0 to 2 percent slopes	>200	8.2	2.0%
9B	Cullen loam, 2 to 7 percent slopes	>200	15.6	3.8%
9C	Cullen loam, 7 to 15 percent slopes	>200	6.5	1.6%
9D	Cullen loam, 15 to 25 percent slopes	>200	4.7	1.1%
21D3	Madison sandy clay loam, 15 to 25 percent slopes, severely eroded	>200	64.7	15.8%
21E3	Madison sandy clay loam, 25 to 40 percent slopes, severely eroded	>200	4.1	1.0%
26D	Poindexter fine sandy loam, 15 to 25 percent slopes	56	0.3	0.1%
29D	Sweetapple fine sandy loam, 15 to 25 percent slopes	99	30.6	7.5%
29E	Sweetapple fine sandy loam, 25 to 60 percent slopes	99	0.6	0.2%
32A	Toccoa sandy loam, 0 to 2 percent slopes	>200	1.0	0.2%
33B	Turbeville fine sandy loam, 2 to 7 percent slopes	>200	7.9	1.9%
34C	Vance fine sandy loam, 7 to 15 percent slopes	102	6.3	1.5%
Subtotals for Soil Survey Area			409.2	100.0%
Totals for Area of Interest			409.3	100.0%

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Franklin County, North Carolina (NC069)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
WeC	Wedowee sandy loam, 6 to 10 percent slopes	>200	0.2	0.0%

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Franklin County, North Carolina (NC069)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Subtotals for Soil Survey Area			0.2	0.0%
Totals for Area of Interest			409.3	100.0%

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

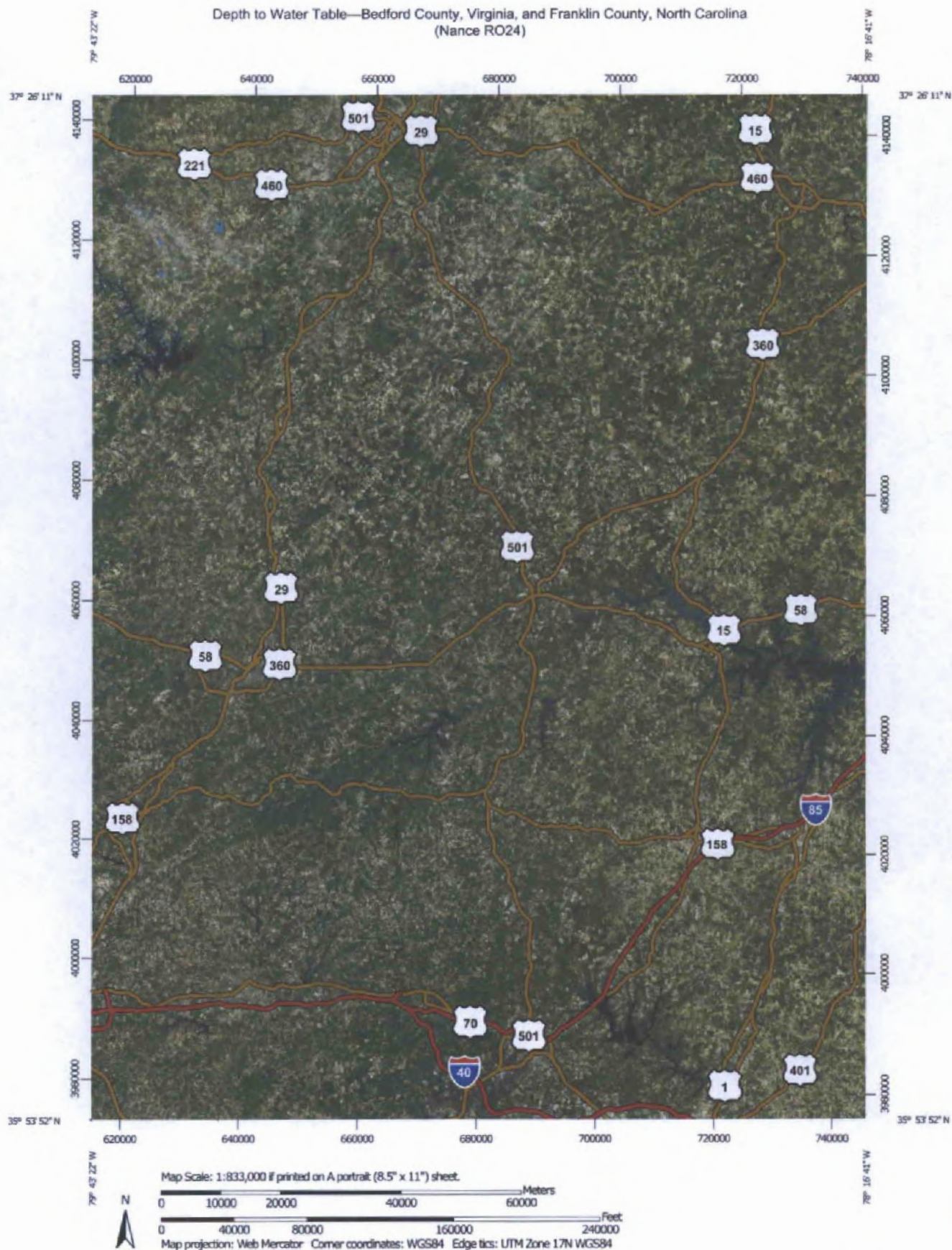
Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Depth to Water Table—Bedford County, Virginia, and Franklin County, North Carolina
(Nance RO24)



Depth to Water Table—Bedford County, Virginia, and Franklin County, North Carolina
(Nance RO24)

MAP LEGEND

Area of Interest (AOI)	Not rated or not available
Area of Interest (AOI)	
Soils	Water Features
Soil Rating Polygons	Streams and Canals
0 - 25	Transportation
25 - 50	Rails
50 - 100	Interstate Highways
100 - 150	US Routes
150 - 200	Major Roads
> 200	Local Roads
Not rated or not available	Background
	Aerial Photography
Soil Rating Lines	
0 - 25	
25 - 50	
50 - 100	
100 - 150	
150 - 200	
> 200	
Not rated or not available	
Soil Rating Points	
0 - 25	
25 - 50	
50 - 100	
100 - 150	
150 - 200	
> 200	

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia
Survey Area Data: Version 11, Dec 11, 2013

Soil Survey Area: Franklin County, North Carolina
Survey Area Data: Version 16, Sep 14, 2015

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Bedford County, Virginia (VA019)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
7B	Cecil fine sandy loam, 2 to 7 percent slopes	>200	85.7	20.9%
7C	Cecil fine sandy loam, 7 to 15 percent slopes	>200	173.1	42.3%
8A	Chewacla loam, 0 to 2 percent slopes	31	8.2	2.0%
9B	Cullen loam, 2 to 7 percent slopes	>200	15.6	3.8%
9C	Cullen loam, 7 to 15 percent slopes	>200	6.5	1.6%
9D	Cullen loam, 15 to 25 percent slopes	>200	4.7	1.1%
21D3	Madison sandy clay loam, 15 to 25 percent slopes, severely eroded	>200	64.7	15.8%
21E3	Madison sandy clay loam, 25 to 40 percent slopes, severely eroded	>200	4.1	1.0%
26D	Poindexter fine sandy loam, 15 to 25 percent slopes	>200	0.3	0.1%
29D	Sweetapple fine sandy loam, 15 to 25 percent slopes	>200	30.6	7.5%
29E	Sweetapple fine sandy loam, 25 to 60 percent slopes	>200	0.6	0.2%
32A	Toccoa sandy loam, 0 to 2 percent slopes	114	1.0	0.2%
33B	Turbeville fine sandy loam, 2 to 7 percent slopes	>200	7.9	1.9%
34C	Vance fine sandy loam, 7 to 15 percent slopes	>200	6.3	1.5%
Subtotals for Soil Survey Area			409.2	100.0%
Totals for Area of Interest			409.3	100.0%

Depth to Water Table— Summary by Map Unit — Franklin County, North Carolina (NC069)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
WeC	Wedowee sandy loam, 6 to 10 percent slopes	>200	0.2	0.0%

Depth to Water Table— Summary by Map Unit — Franklin County, North Carolina (NC069)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Subtotals for Soil Survey Area			0.2	0.0%
Totals for Area of Interest			409.3	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

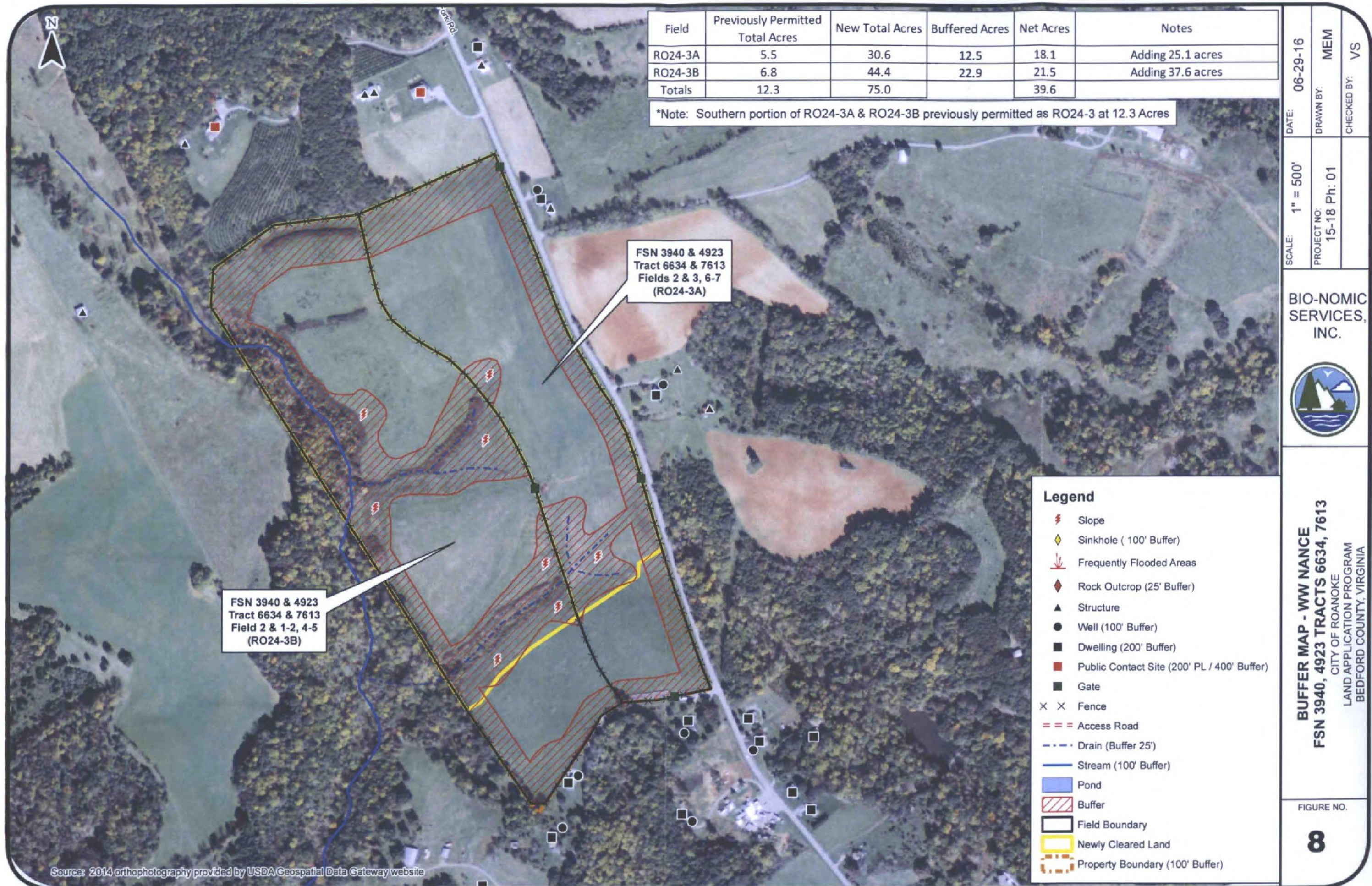
Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December



Field	Previously Permitted Total Acres	New Total Acres	Buffered Acres	Net Acres	Notes
RO24-3A	5.5	30.6	12.5	18.1	Adding 25.1 acres
RO24-3B	6.8	44.4	22.9	21.5	Adding 37.6 acres
Totals	12.3	75.0		39.6	

*Note: Southern portion of RO24-3A & RO24-3B previously permitted as RO24-3 at 12.3 Acres

Legend

- Slope
- Sinkhole (100' Buffer)
- Frequently Flooded Areas
- Rock Outcrop (25' Buffer)
- Structure
- Well (100' Buffer)
- Dwelling (200' Buffer)
- Public Contact Site (200' PL / 400' Buffer)
- Gate
- Fence
- Access Road
- Drain (Buffer 25')
- Stream (100' Buffer)
- Pond
- Buffer
- Field Boundary
- Newly Cleared Land
- Property Boundary (100' Buffer)

DATE: 06-29-16

DRAWN BY: MEM

CHECKED BY: VS

SCALE: 1" = 500'

PROJECT NO: 15-18 Ph: 01

BIO-NOMIC SERVICES, INC.

BUFFER MAP - WW NANCE

FSN 3940, 4923 TRACTS 6634, 7613

CITY OF ROANOKE

LAND APPLICATION PROGRAM

BEDFORD COUNTY, VIRGINIA

FIGURE NO.

8



FIELD	TOTAL ACRES	BUFFERED ACRES	NET ACRES
RO24-7	31.0	10.1	20.9
RO24-8	22.7	3.0	19.7
RO24-9	18.6	3.4	15.2
Totals	72.3		55.8

DATE: 01-29-16

DRAWN BY: MEM

CHECKED BY: VS

SCALE: 1" = 500'

PROJECT NO: 15-18 Ph: 01

BIO-NOMIC
SERVICES,
INC.



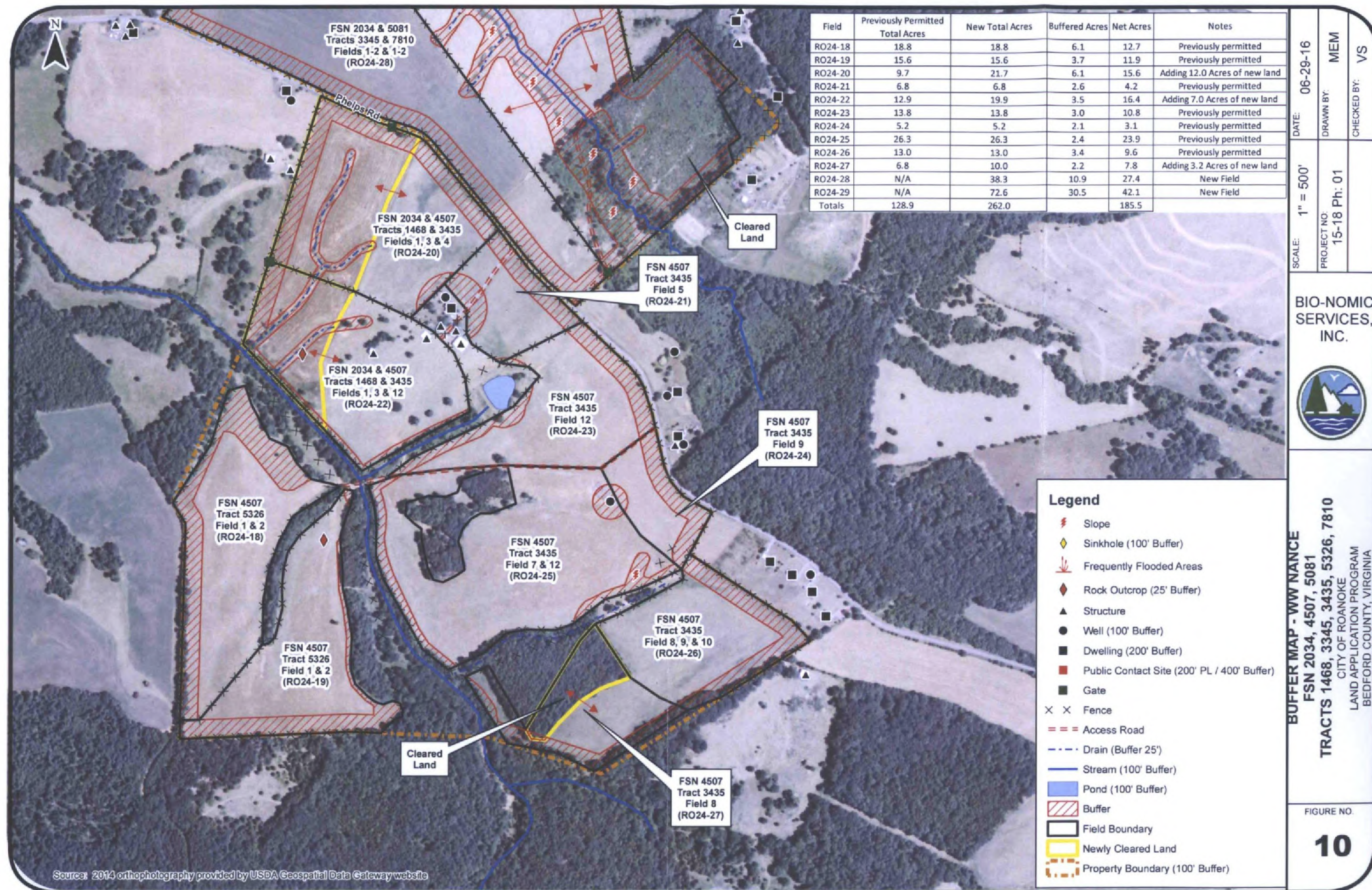
BUFFER MAP - WW NANCE
FSN 2959 TRACT 3841
CITY OF ROANOKE
LAND APPLICATION PROGRAM
BEDFORD COUNTY, VIRGINIA

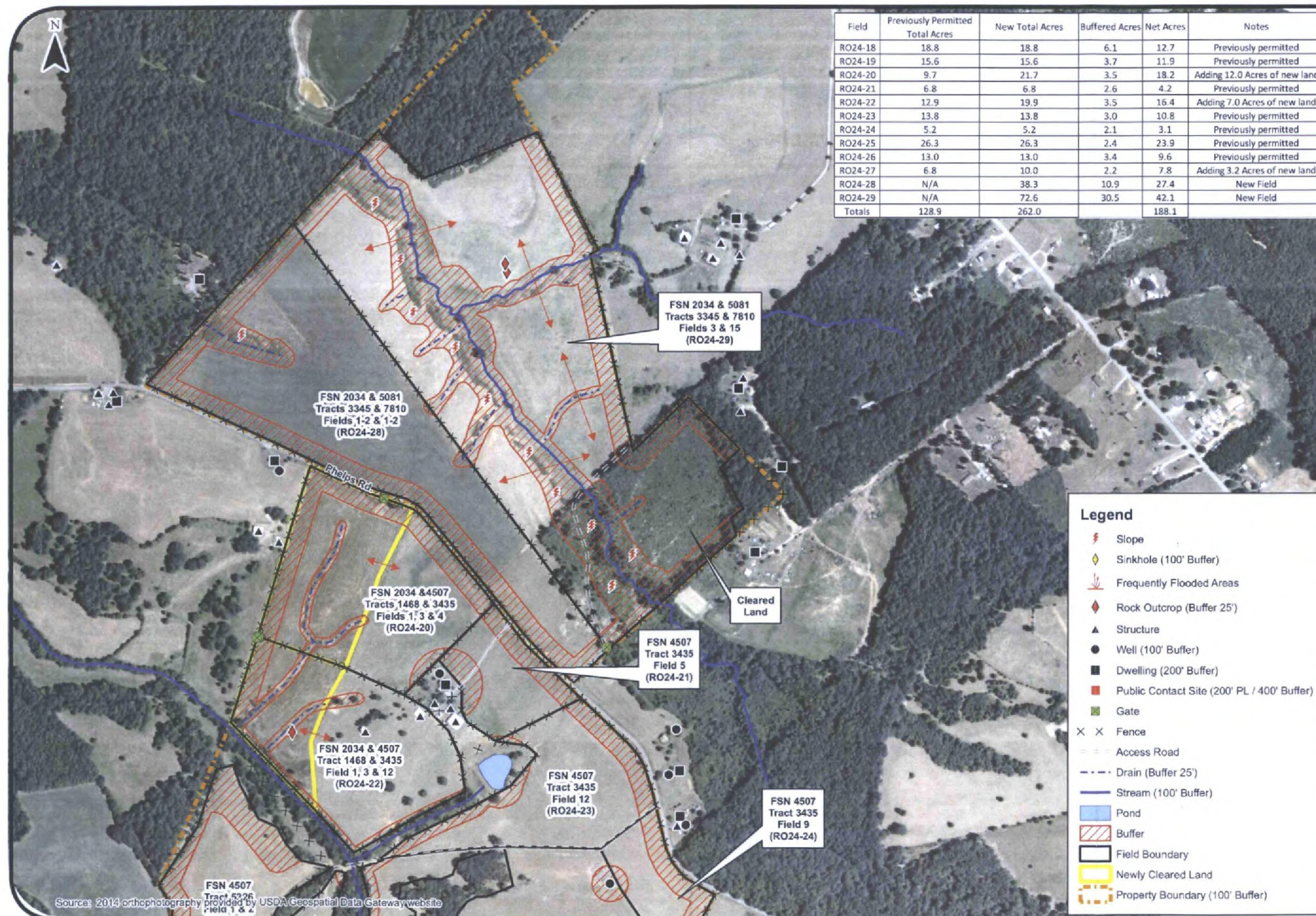
FIGURE NO.

9

Legend

- Slope
- Sinkhole (100' Buffer)
- Frequently Flooded Areas
- Rock Outcrop (Buffer 25')
- Gate
- Structure
- Well (100' Buffer)
- Dwelling (200' Buffer)
- Fence
- Access Road
- Drain (Buffer 25')
- Stream (100' Buffer)
- Pond (100' Buffer)
- Field Boundary
- Buffer
- Newly Cleared Land
- Property Boundary (100' Buffer)





Field	Previously Permitted Total Acres	New Total Acres	Buffered Acres	Net Acres	Notes
RO24-18	18.8	18.8	6.1	12.7	Previously permitted
RO24-19	15.6	15.6	3.7	11.9	Previously permitted
RO24-20	9.7	21.7	3.5	18.2	Adding 12.0 Acres of new land
RO24-21	6.8	6.8	2.6	4.2	Previously permitted
RO24-22	12.9	19.9	3.5	16.4	Adding 7.0 Acres of new land
RO24-23	13.8	13.8	3.0	10.8	Previously permitted
RO24-24	5.2	5.2	2.1	3.1	Previously permitted
RO24-25	26.3	26.3	2.4	23.9	Previously permitted
RO24-26	13.0	13.0	3.4	9.6	Previously permitted
RO24-27	6.8	10.0	2.2	7.8	Adding 3.2 Acres of new land
RO24-28	N/A	38.3	10.9	27.4	New Field
RO24-29	N/A	72.6	30.5	42.1	New Field
Totals	128.9	262.0		188.1	

Legend

- Slope
- Sinkhole (100' Buffer)
- Frequently Flooded Areas
- Rock Outcrop (Buffer 25')
- Structure
- Well (100' Buffer)
- Dwelling (200' Buffer)
- Public Contact Site (200' PL / 400' Buffer)
- Gate
- Fence
- Access Road
- Drain (Buffer 25')
- Stream (100' Buffer)
- Pond
- Buffer
- Field Boundary
- Newly Cleared Land
- Property Boundary (100' Buffer)

SCALE: 1" = 500'

DATE: 01-29-16

PROJECT NO: 15-18 Ph: 01

DRAWN BY: MEM

CHECKED BY: VS

BIO-NOMIC SERVICES, INC.



BUFFER MAP - WW NANCE

FSN 2034, 4507, 5081

TRACTS 1468, 3345, 3435, 5326, 7810

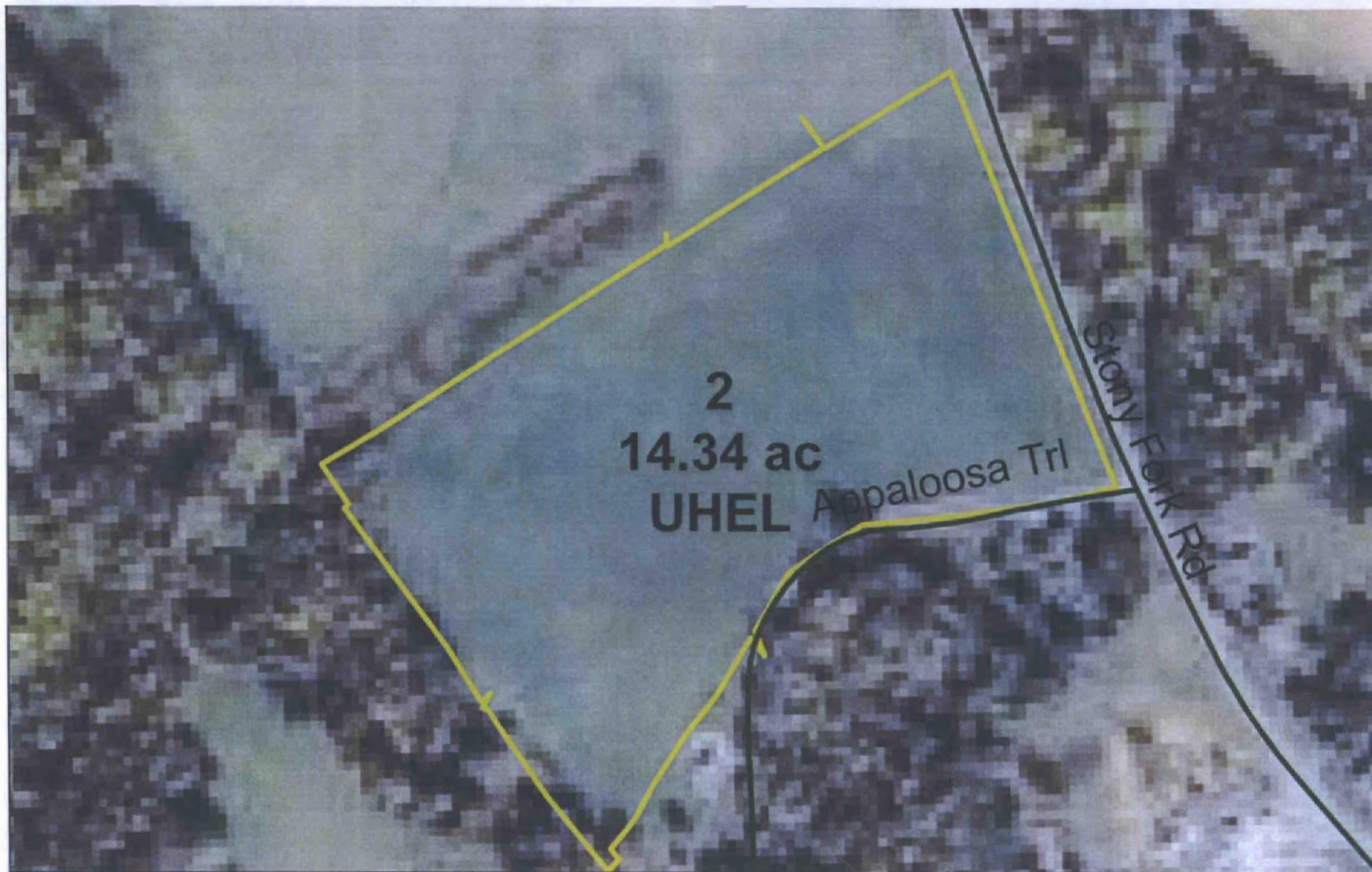
CITY OF ROANOKE

LAND APPLICATION PROGRAM

BEDFORD COUNTY, VIRGINIA

FIGURE NO.

11



1 inch = 192 feet

Farm: 3940
Tract: 6634

Wetland Color-Coded Map

Shaded Area

Wetland Boundary

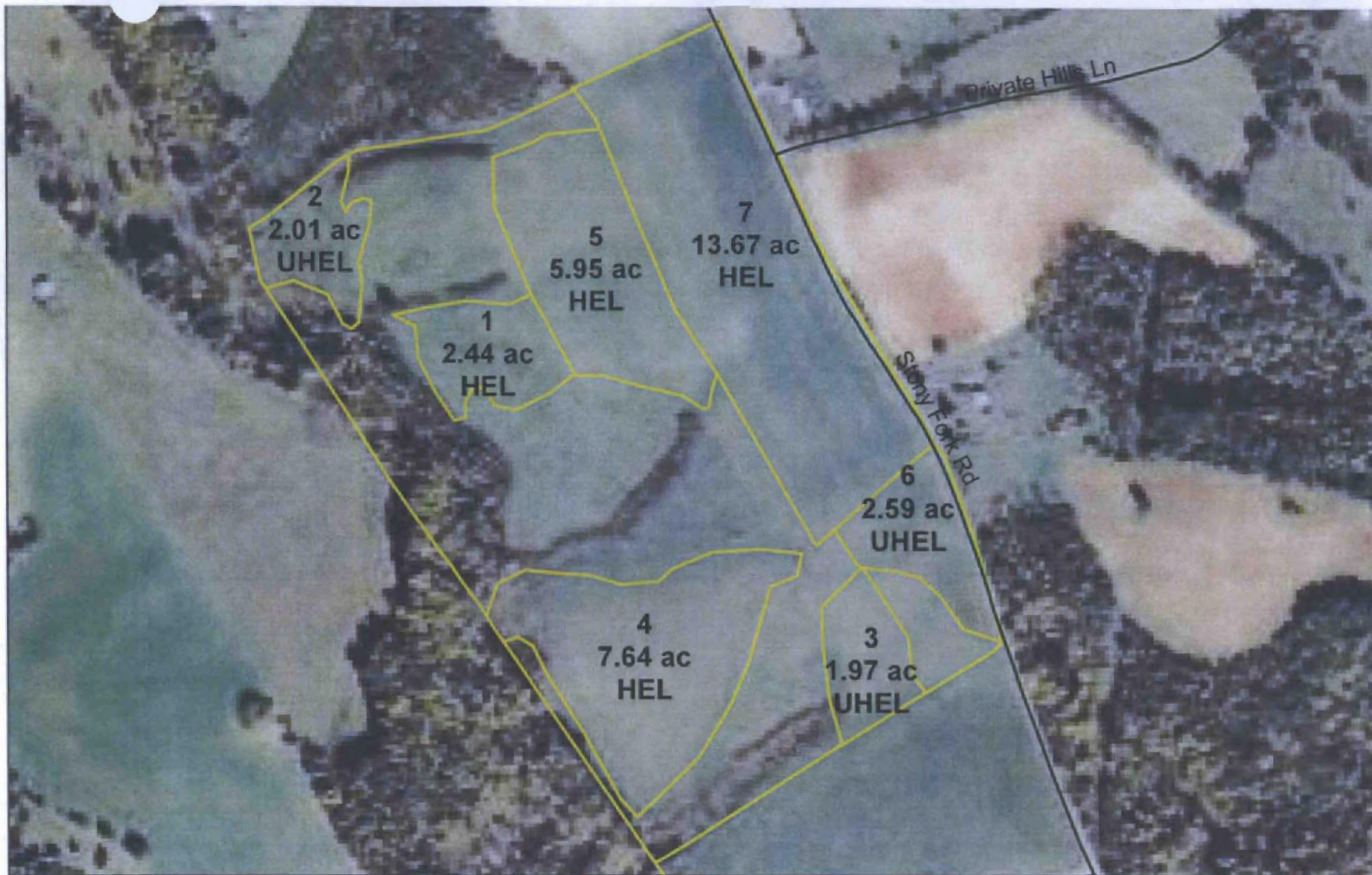
Wetland Color-Coded Map

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

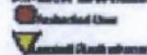
August 11, 2015



1 inch = 359 feet

Farm: 4923
Tract: 7613

Wetland Determination: 6/15/2015



Wetland Use: 6/15/2015

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

August 11, 2015



1 inch equals 452 feet

0 200 400 600 800 1,000 Feet

Ro 24 7
Farm Number: 8 2959
Tract Number: 9 3841

Nance

Bedford

Farm Service Agency

Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and labels, or contact NRCS.



1 inch = 377 feet

Farm: 2034
Tract: 1468

Wetland Determination Map Symbols

- Protected Area
- Wetland
- Contaminated Area

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

September 01, 2015



1 inch = 565 feet

Farm: 4507
Tract: 3435

Wetland Determination: Not Done

Shaded Area

Wetland Plant Species

Wetland Plant Species

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

August 11, 2015



R0 24 18



1 inch equals 293 feet

0 135 270 540

Farm Number:

4507

Tract Number:

5326

Bedford

Farm Service Agency

Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and labels, or contact NRCS.



1 inch = 442 feet

Farm: 5081
Tract: 7810

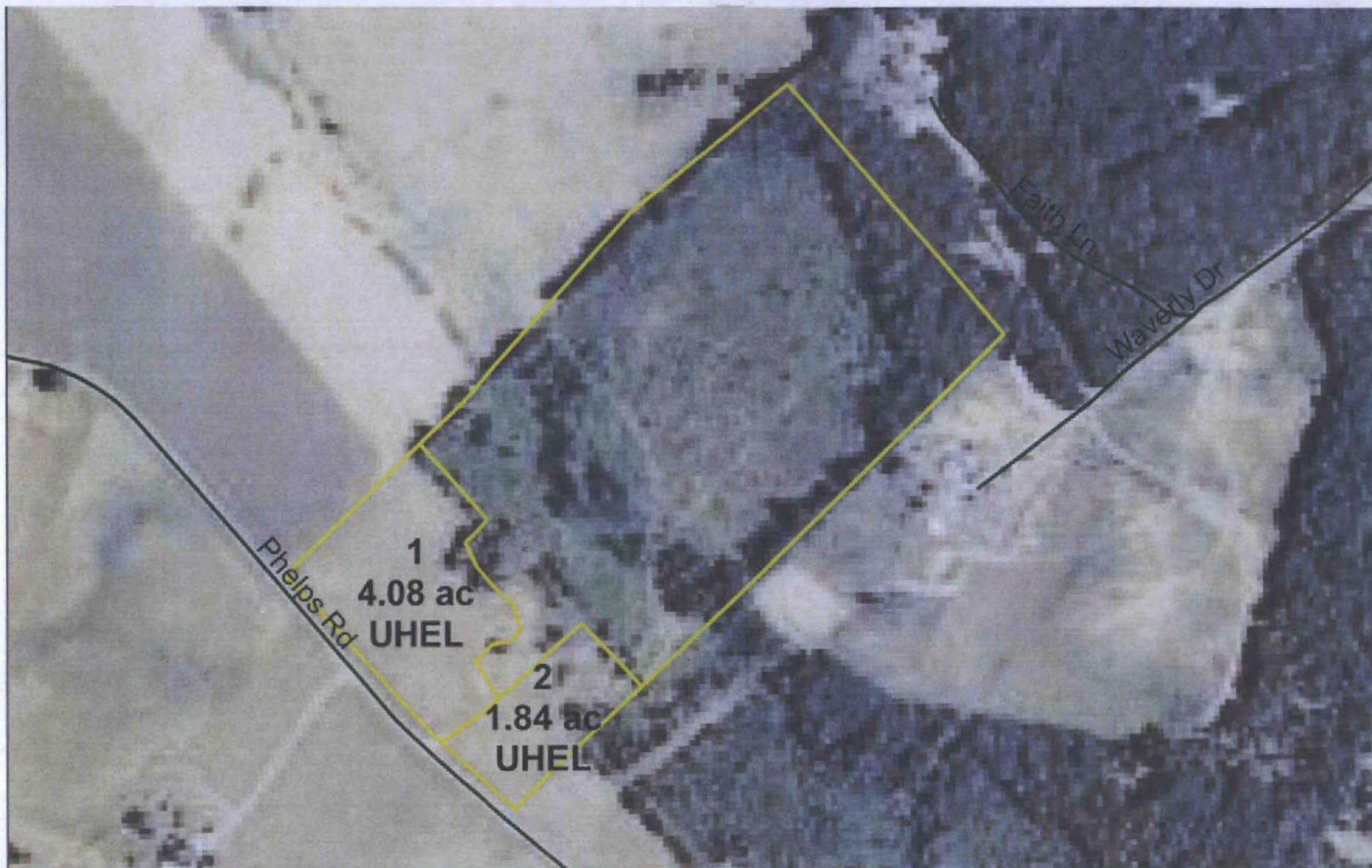
Wetland Determination Map
☒ Wetland Class
☒ Wetland Depth
☒ Wetland Depth Class
☒ Wetland Depth Class
☒ Wetland Depth Class

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

September 03, 2015



1 inch = 285 feet

Farm: 2034
Tract: 3345

Wetland Determination Method
 Wetland Use
 Wetland Use
 Wetland Use

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

August 11, 2015

Report Number: 16-098-0506

Account Number: 45671



7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 • Fax 804-271-6446

www.waypointanalytical.com

Send To: BIO-NOMIC SERVICES INC

Joel Coert

516 ROUNDTREE RD

CHARLOTTE NC 28217

"Every acre...Every year."™

Grower: NANCE

Submitted By: DON GREEN

Farm ID: RO 24

SOIL ANALYSIS REPORT

Analytical Method(s): Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
24-3A	06744	3.3 M		105	7 VL NC = 6			33 VL NC = 17	187 H	914 M		5.9	6.80	1.3	7.5
24-3B	06745	4.9 M		136	1 VL NC = 1			163 VH NC = 83	118 M	716 L		5.0	6.59	3.4	8.4
24-7	06746	4.8 M		131	36 M NC = 30			93 L NC = 48	281 H	1326 M		6.1	6.78	1.5	10.7
24-8	06748	3.3 M		105	15 L NC = 12			140 H NC = 72	180 H	784 M		5.6	6.75	1.8	7.6
24-9	06749	6.1 H		150	7 VL NC = 6			34 VL NC = 17	245 H	1290 M		6.3		1.0	9.6

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
24-3A	1.1	20.8	60.9		17.3										
24-3B	5.0	11.7	42.6		40.5										
24-7	2.2	21.9	62.0		14.0										
24-8	4.7	19.7	51.6		23.7										
24-9	0.9	21.3	67.2		10.4										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 16-098-0506

Account Number: 45671



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Joel Coert

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CHARLOTTE NC 28217

Submitted By: DON GREEN

Farm ID: RO 24

Grower: NANCE

SOIL ANALYSIS REPORT

Analytical Method(s): Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus				Potassium	Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm	Rate	ppm	Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g		
24-18	06750	3.1 M	MIN	98	80 H NC = 67				79 L NC = 40	62 VL	1821 VH			7.3		0.0	9.8		
24-19	06751	1.5 L	MIN	74	10 VL NC = 8				45 L NC = 23	38 L	647 H			6.1	6.87	0.6	4.3		
24-20	06752	22.6 VH	ORG	150	1 VL NC = 1				59 L NC = 30	247 H	1011 M			5.8	6.76	1.7	9.0		
24-21	06753	5.7 H	MIN	141	37 M NC = 31				73 VL NC = 37	119 L	2923 VH			7.4		0.0	15.8		
24-22	06754	2.5 L	MIN	92	1 VL NC = 1				120 M NC = 61	109 H	703 M			5.9	6.83	1.0	5.7		
Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum				
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm				
24-18	2.1	5.3	92.9		0.0														
24-19	2.7	7.4	75.2		14.0														
24-20	1.7	22.9	56.2		18.9														
24-21	1.2	6.3	92.5		0.0														
24-22	5.4	15.9	61.7		17.5														

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 16-098-0506

Account Number: 45671

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Grower: NANCE

Submitted By: DON GREEN

Farm ID: RO 24

SOIL ANALYSIS REPORT

Analytical Method(s): Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
24-23	06755	2.5 L	MIN	91	3 VL NC = 2			30 VL NC = 15	155 H	1015 H		7.0		0.0	6.4
24-24	06756	2.0 L	MIN	83	7 VL NC = 6			72 L NC = 37	73 M	595 M		5.5	6.80	1.3	5.1
24-25	06757	1.8 L	MIN	80	1 VL NC = 1			54 L NC = 28	33 L	726 VH		7.0		0.0	4.0
24-26	06759	2.9 M	MIN	101	12 VL NC = 10			33 VL NC = 17	31 VL	492 M		5.0	6.74	1.9	4.7
24-27	06760	3.6 M	MIN	109	59 H NC = 49			26 VL NC = 13	59 VL	1737 VH		7.3		0.0	9.2

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
24-23	1.2	20.2	79.3		0.0										
24-24	3.6	11.9	58.3		25.5										
24-25	3.5	6.9	90.8		0.0										
24-26	1.8	5.5	52.3		40.4										
24-27	0.7	5.3	94.4		0.0										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

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Date Received: 04/07/2016

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Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
24-28	06761	2.4 L	MIN	91	7 VL NC = 6			24 VL NC = 12	96 H	663 M		5.9	6.84	0.9	5.1
24-29	06762	2.7 M	MIN	97	7 VL NC = 6			44 L NC = 23	74 M	648 H		6.1	6.87	0.6	4.6
Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
24-28	1.2	15.7	65.0		17.6										
24-29	2.5	13.4	70.4		13.0										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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